Cumulative Assessment 17 Till lesson 1 unit 4

1. Complete.

a. 3 : 15 + 2 : 50 = _____

b. A rectangle of 12 m length and 8 m width , its perimeter is _____ m

c. A square of side length 70 cm , its perimeter = _____ cm

d. _____ mL = 5 L , 34 mL

e. 39 + 0 = _____ [_____ property]

f. 35,000 = _____ Hundreds

2. Choose the correct answer.

a. A square of side length 10 cm, then its perimeter = _____ cm

A. 10 B. 20 C. 40 D. 100

b. The perimeter of the rectangle of 7 cm length and 3 cm width = _____

A. 10 cm B. 10 cm^2 C. 20 cm D. 20 cm^2

c. 4 weeks ☐ 30 days

A. < B. = C. >

d. 35,714 – 7,642 = _____

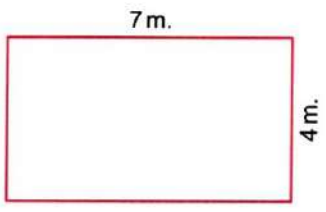
A. 37,356 B. 73,356 C. 28,072 D. 28,702

e. The value of the digit 5 in the number 531,261,049 is _____

A. 500,000,000 B. 5,000,000 C. 50,000,000 D. 500,000

3. Calculate the perimeter of each of the following shapes "Use two different formulas to solve each problem" Show your work.

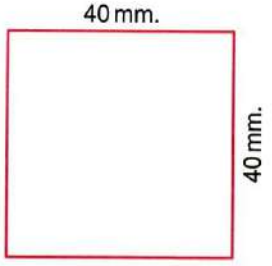
a.



First formula _____

Second formula _____

b.



First formula _____

Second formula _____

4. Shady is building a rectangular frame. Its length is 42 millimeters and its width is 28 millimeters. What will the perimeter of the frame be ?

Cumulative Assessment 18 Till lesson 2 unit 4

1. Choose the correct answer.

a. A rectangle its length is 10 m and its width is 7 m , then its area = _____ m^2

A. 17 B. 34 C. 70 D. 140

b. A square of side length 7 cm , then its area = _____

A. 28 cm B. 28 cm^2 C. 49 cm D. 49 cm^2

c. The perimeter of the square = side length × _____

A. itself B. 4 C. width D. length

d. The place value of the digit 0 in the number 3,250,641,798 is _____

A. Millions B. Milliards C. Hundred Thousands D. Thousands

e. 3 L , 25 mL = _____ mL

A. 325 B. 28 C. 3,025 D. 30,025

2. Complete.

a. 84,582 – 9,431 = _____

b. 5,123 + 16,257 = _____

c. 3 kg , 3 g = _____ g

d. If A – 423 = 147 , then A = _____

e. _____ hundreds = 730 tens

f. 214 + [361 + 700] = [214 + 361] + _____

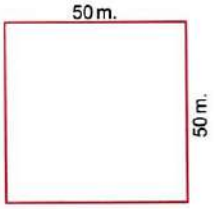
3. Find the area and the perimeter of each of the following figures.

a.

Area = _____

Perimeter = _____

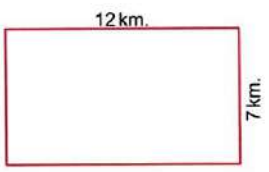
b.



Area = _____

Perimeter = _____

c.



Area = _____

Perimeter = _____

4. Sketch two rectangles, the area of each one is 12 cm^2. Find the perimeter of each.

a.

P = _____

b.

P = _____

Cumulative Assessment 19 Till lesson 3 unit 4

1. Complete each of the following.

a. A square has a perimeter 24 cm , then its area is _____

b. A square of area 25 cm^2 , then its side length is _____

c. The area of a rectangle is 32 m^2 and its length is 8 m , then its width is _____

d. 3 : 25 + 6 : 42 = _____

e. 37,856 ≈ _____ [Round to the nearest 1,000]

2. Choose the correct answer.

a. Width of a rectangle = _____

A. Area ÷ length B. Area ÷ width C. Length × width D. Area × length

b. A square whose area is 25 m^2 , then its side length = _____ m

A. 4 B. 5 C. 6 D. 7

c. 199 + 5,482 ☐ 9,462 – 3,781

A. < B. = C. >

d. The side length of a square of perimeter 20 cm ☐ the side length of a square of area 49 cm^2

A. < B. = C. >

e. 3 L , 720 mL = _____ mL

A. 723 B. 750 C. 3,720 D. 3,072

3. Write the time in two ways.

a. 

_____ : _____

It's _____

b. 

_____ : _____

It's _____

c. 

_____ : _____

It's _____

d. 

_____ : _____

It's _____

4. A rectangle of perimeter 20 cm. and its length is 6 cm. Find its area.

_____

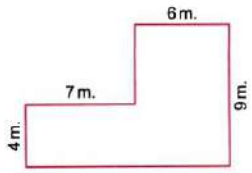
5. A colony of ants eats approximately 2,000 grams of food each day. If the ants have 10 kilograms of food stored , how many days will the food last ?

_____

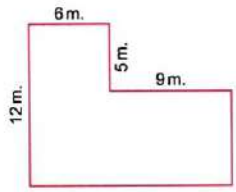
Cumulative Assessment 20 Till lesson 4 unit 4

1. Complete.

a. The perimeter of the opposite complex figure equals _____ m



b. The area of the opposite complex figure equals _____ m^2



c. 7,000 g = _____ kg

d. The value of the digit 5 in 5,321,647 is _____

e. 75 dm = _____ m , _____ dm

f. The value of the digit 0 in the number 769,423,018 is _____

2. Choose the correct answer.

a. 59,764 < _____

A. 59,000 **B.** 49,999 **C.** 59,765 **D.** 59,763

b. Hany wrote 325 + 0 = 325 , using the _____ property.

A. commutative **B.** associative **C.** additive identity **D.** distributive

c. [3 × 1,000] + [3 × 10] = _____

A. 330 **B.** 3,030 **C.** 3,300 **D.** 30,030

d. The perimeter of a rectangle with 7 cm long and 3 cm wide equals _____

A. 21 cm **B.** 20 m **C.** 21 cm^2 **D.** 20 cm

3. Find the result.

a. 2,456 – 1,999

b. 356 – 149

4. Jana walked once around the squared playground. She covered a distance of 20 m
What is the area of this playground ? _____

General Revision On Unit 4

1. Complete.

1. A rectangle has 4 cm wide, and 6 cm long, then its area = _____ cm^2

[Alex. - West 22]

2. A square has an area of 16 square centimeters, then its perimeter = _____ cm

[Suez 22]

3. The length of the side of a square whose perimeter is 28 cm is _____ cm

[Beni Suef 22]

4. Area of rectangle its length is 7 cm, width is 3 cm = _____ cm^2 [Cairo 23]

5. A square of side length 6 meters, then its perimeter = _____ meters [Souhag 23]

6. A square of side length 3 cm, then its perimeter = _____ cm [Cairo - Rod El-Farag 23]

7. A rectangle its length is 7 cm, and its width is 5 cm, then its area = _____ cm^2

[Cairo 23]

8. A rectangle has length [L] and width [W], its perimeter = _____ [Cairo 23]

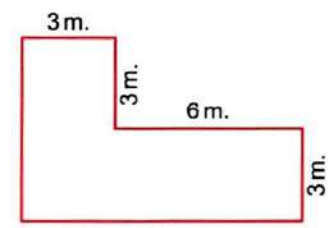
9. A carpet in the shape of a square of side length 3 m, its perimeter = _____ m [Giza 23]

10. Area of a square = side length × _____ [Ismailia 23]

11. If the side length of the square is [S], then its perimeter rule = _____ × _____

[Alex. - Al-Agamy 23]

12. The area of the opposite figure equals _____ m^2



13. The side length of the square = its perimeter ÷ _____

14. The width of the rectangle = its area ÷ _____

15. A square has a perimeter 12 cm, then its area is _____

2. Choose the correct answer.

1. A rectangle its length is [L] and its width is [W] , what is its perimeter ?

[Cairo - Khalifa and Mokattam 22]

A. L + W B. L × W C. 2 × [L + W] D. [2 × L] + W

2. A rectangle its length = 8 cm , its width = 4 cm , then its area = _____ cm^2

A. 32 **B.** 12 **C.** 24 **D.** 64 [Giza - Dokki 22]

3. Area of rectangle with length 9 cm and width 6 cm = _____ cm^2 [El-Dakahlia 22]

A. 3 **B.** 30 **C.** 15 **D.** 54

4. A rectangle of length 20 cm and width 10 cm , then its area is equal to _____ square cm. [Damietta 22]

A. $2 \times 20 + 2 \times 10$ **B.** $20 + 10$

C. 60 **D.** 200

5. Area of a square of side length 5 cm = _____ cm^2 [Cairo 23]

A. 20 **B.** 25 **C.** 15 **D.** 30

6. Perimeter of a square of side length 7 cm = _____ cm [Cairo 23]

A. 42 **B.** 28 **C.** 27 **D.** 14

7. The perimeter of the rectangle of 8 cm long and 2 cm wide equals _____ [Souhag 23]

A. 20 cm **B.** 20 cm^2 **C.** 16 cm **D.** 16 cm^2

8. The perimeter of a square is 40 cm , then its side length = _____ cm [Cairo 23]

A. 4 **B.** 1,600 **C.** 160 **D.** 10

9. A rectangle has length 30 cm and width 5 cm , then its area = _____ cm^2

A. $5 + 30 \times 2$ **B.** 70 **C.** 150 **D.** 300

10. Area of rectangle = length × _____ [Ismailia 23]

A. itself **B.** width **C.** 4 **D.** height

11. The area of the square whose side length is 6 cm = _____ cm^2 [Souhag 23]

A. 11 **B.** 30 **C.** 24 **D.** 36

12. The perimeter of the square whose side length is 5 cm is _____ cm [Giza 23]

A. 10 **B.** 15 **C.** 20 **D.** 25

13. Area of the rectangle with 7 cm long and 3 cm wide equals _____ cm^2 [Giza 23]

A. 20 **B.** 21 **C.** 24 **D.** 35

14. A square of side length 8 cm , then its perimeter = _____ cm [Alex. 23]

A. 16 **B.** 24 **C.** 32 **D.** 40

15. A rectangle with an area 30 cm^2 , if its length is 6 cm , then its width equals _____

A. 6 cm **B.** 5 cm **C.** 11 cm **D.** 30 cm

3. Answer each of the following.

1. A rectangular gymnassium with 7 meters long and 4 meters wide.
   Find its perimeter. [Cairo - Heliopolis 22]

2. A squared picture with side length 8 cm , Hussein wants to make a piece of glass to cover this picture , what is the area of the glass piece ? [El-Kalyoubia 22]

3. A square-shaped room has a side length 4 meters.
   What is the area of the ground of the room in square meters ? [Souhag 22]

4. A rectangle of length 5 cm and width 3 cm. Find the perimeter. [Cairo - Rod El-Farag 23]

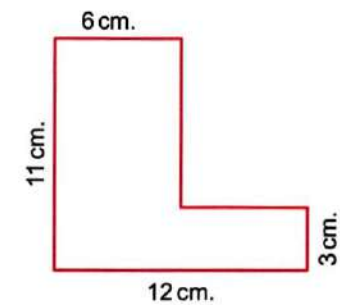
5. Find the perimeter of the rectangle whose length is 16 cm and its width is 14 cm [Cairo 23]

6. Amgad has a garden in a squared shape with side length 6 m , what the area of this garden ? [Giza 23]

7. Find the area and the perimeter of the opposite figure [Ismailia 23]

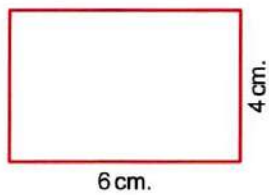
   A = _____

   P = _____

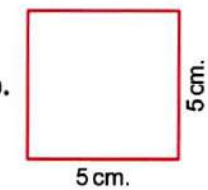


8. Find the perimeter of each of the following figures. [Souhag 23]

a.



b.



9. Find the area of the square if its side length is 6 cm [Giza 23]

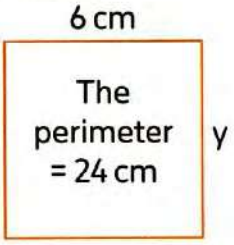
Unit Four Assessment

1. Choose the correct answer.

1. The area of the rectangle with 5 cm long and 3 cm wide equals _____

A. 16 cm^2 B. 15 cm C. 15 cm^2 D. 16 cm

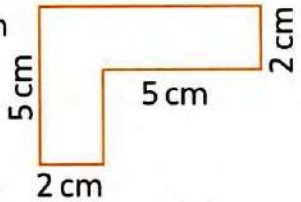
2. **In the opposite figure :**
The value of y is _____



A. 4 cm B. 5 cm

C. 6 cm D. 7 cm

3. The perimeter of the opposite complex figure equals _____ cm



A. 14 B. 21

C. 19 D. 24

4. The perimeter of a rectangle with 15 cm long and 10 cm wide equals _____ cm

A. 150 B. 50 C. 40 D. 35

5. Perimeter of square = _____

A. s × s B. l + w C. l × w D. s × 4

6. The perimeter of a square of side length 10 m is _____ m

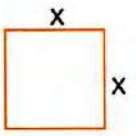
A. 30 B. 100 C. 20 D. 40

7. A rectangle its length is (l) and its width is (w) , what is its perimeter ? (Giza - Awseem 23)

A. l + w B. l × w C. 2 × (l + w) D. (2 × l) + w

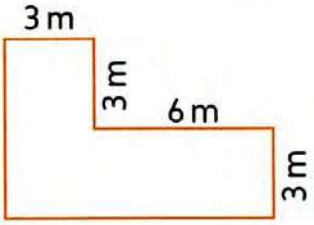
2. Complete the following.

1. If the area of the opposite figure equals 25 m^2, then the value of x is _____ m



2. The area of the opposite figure equals _____ m^2

3. The area of the rectangle with 3 cm wide and 9 cm long equals _____ cm^2



4. The perimeter of the rectangle = _____ + _____

5. The area of a rectangle with 8 cm long and 2 cm wide equals the area of a square of side length _____ cm

6. The side length of a square = its perimeter ÷ _____

7. The perimeter of the rectangle whose length is 6 cm and its width is 4 cm is _____ cm

8. A square of side length 5 units, then its perimeter = _____ units [Cairo 23]

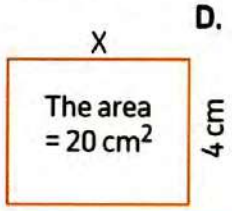
3. Choose the correct answer.

1. The area of a rectangle whose length is 7 cm and its width is 5 cm equals _____ cm^2
   A. 12 B. 24 C. 35 D. 30 [Souhag 23]

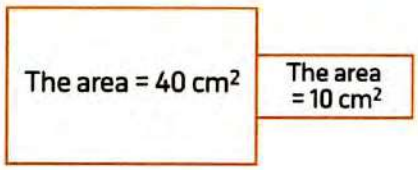
2. The perimeter of the square whose side length is 6 cm is _____ cm [Giza - Abo El-Nomros 23]
   A. 8 B. 12 C. 36 D. 24

3. A rectangle its length is 8 cm and its width is 2 cm, then its perimeter = _____ cm
   A. 20 B. 16 C. 10 D. 24 [El-Behiera 23]

4. In the opposite figure : The value of × is _____ cm
   A. 80 B. 2
   C. 6 D. 5



5. The area of the opposite figure equals _____ cm^2
   A. 30 B. 50
   C. 400 D. 100

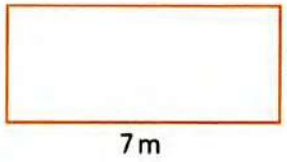


6. Area of square = side length × _____
   A. length B. width C. itself D. 4

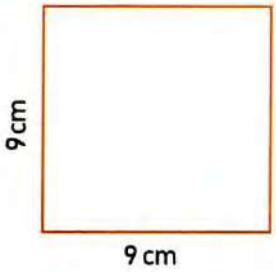
7. Area of rectangle = _____ × width
   A. length B. width C. itself D. 4

4. Answer the following.

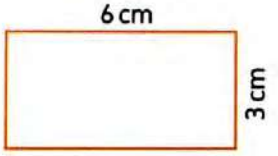
1. Find the area of the opposite figure.

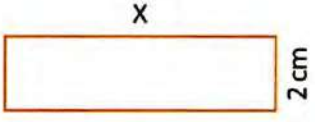


2. Calculate the perimeter of the opposite figure.

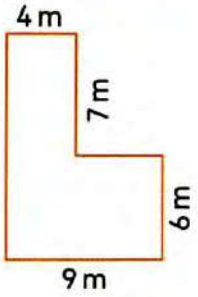


3. These two rectangles have the same area.
   Find the length of the second rectangle.





4. Wael wants to place a wooden fence around his vegetable garden.
   Each meter of fencing costs 10 L.E.
   Find the cost of the new fence.



Cumulative Assessments on UNIT 5

Cumulative Assessment 21 — Till lesson 1 unit 5

1. Choose the correct answer.

a. 42 is _____ times the number 6.

A. 6 B. 7 C. 8 D. 9

b. 8 + 8 + 8 + 8 + 8 = _____

A. 8 × 8 = 64 B. 4 × 8 = 32 C. 6 × 8 = 48 D. 5 × 8 = 40

c. 7,000 + 600 + 20 + 1 > _____

A. 7,921 B. 8,006 C. 6,997 D. 9,300

d. _____ mL = 3 L , 124 mL

A. 3,124 B. 3,024 C. 1,243 D. 1,324

e. Milliard is the smallest _____ digit number.

A. 5 B. 8 C. 9 D. 10

2. Complete.

a. 24 is _____ times the number 8.

b. The multiplicative comparison statement for

9	9	9	9	9	9

_____ is _____ times the number 9.

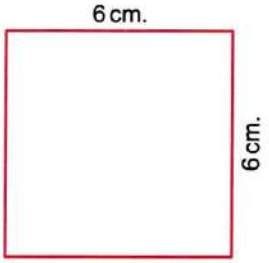
c. 4 days = _____ hours

d. 10 + 10 + 10 + 10 = _____ × _____ = _____

e. The additive identity is _____

3. Find the area and the perimeter of each of the following figures.

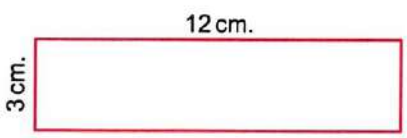
a.



Area = _____

Perimeter = _____

b.



Area = _____

Perimeter = _____

4. Compare, write the method you used.

a. 64 and 8 _____

b. 36 and 4 _____

Cumulative Assessment 22 Till lessons (2 & 3) unit 5

1. **Write an equation for each comparison statement.**
Use a letter to represent the unknown. Solve the equation.

a. A number is 6 times the number 5

b. 40 is 5 times a number.

c. 70 is how many times the number 10 ?

2. **Solve.**

a. $n = 2 \times 8$

b. $7 \times k = 49$

c. $b \times 9 = 72$

3. **Choose the correct answer.**

a. 9 m – 80 cm = _____ cm

A. 800 B. 820 C. 720 D. 980

b. If $z \times 8 = 32$, then z = _____

A. 4 B. 8 C. 2 D. 3

c. 341 + 596 = _____

A. 837 B. 997 C. 937 D. 255

d. What number is 8 times the number 12 ?

A. 120 B. 80 C. 128 D. 96

4. **Complete.**

a. 5 times the number _____ is 20.

b. 4 times the number 9 is _____

c. If $n \times 3 = 15$, then n = _____

d. The place value of the digit 5 in the number 3,452,162 is _____

e. 3 tons = _____ kg

Cumulative Assessment 23 Till lessons (4 & 5) unit 5

1. **Complete.**

a. $30 \times$ _____ $= 5 \times 30$

b. $3 \times 2{,}000 =$ _____

c. $3\text{ L} + 155\text{ mL} =$ _____ mL

d. $980 \times 0 =$ _____

e. $1 \times 65 =$ _____

f. $18{,}000 =$ _____ thousands

2. **Choose the correct answer.**

a. $18 \times 10 =$ _____

A. 28 B. 108 C. 1,180 D. 180

b. $80 \times 7 =$ _____

A. 560 B. 56 C. 5,600 D. 87

c. $5{,}000\text{ m} =$ _____ km

A. 50 B. 500 C. 55 D. 5

d. The perimeter of the rectangle with 8 cm long and 4 cm wide equals _____ cm.

A. 24 B. 12 C. 32 D. 16

3. **Put (< , > or =).**

a. 7 kg , 40 g ◯ 6 kg , 550 g

b. 1×258 ◯ $1 + 258$

c. 3×200 ◯ 300×2

d. 8×6 ◯ 6×8

4. Martin has 36 marbles. Write an equation using the Commutative Property of Multiplication to describe two ways he can arrange them.

_____

5. Hany bought 4 mobiles , the price of each mobile is 3,000 pounds. How much did Hany pay ?

_____

Cumulative Assessment 24 Till lessons (6 & 7) unit 5

1. Solve each problem.

a. $4 \times [3 \times 3] =$ _____ = _____

b. $6 \times [2 \times 5] =$ _____ = _____

c. $[4 \times 2] \times 7 =$ _____ = _____

d. $[9 \times 10] \times 3 =$ _____ = _____

e. $[5 \times 8] \times 5 =$ _____ = _____

f. $8 \times [6 \times 10] =$ _____ = _____

2. Complete.

a. $270 =$ _____ tens

b. The time  is ___ : ___

c. $18{,}000 =$ _____ hundreds

d. $80 =$ _____ $\times 10$

e. 5 times the number _____ is 40.

f. $7+7+7+7+7 = 7 \times$ _____

3. Use decomposing and the Associative Property of Multiplication to solve.

a. $8 \times 300 =$ _____

b. $5 \times 7{,}000 =$ _____

4. Ayman has 5 bags , each bag has 8 packs of coloring pencils , if each pack has 6 coloring pencils, how many pencils Ayman has ?

_____

5. Choose the correct answer.

a. $7{,}000{,}000 + 800{,}000 + 3{,}000 + 60 =$ _____

A. 7,803,060 B. 7,830,600 C. 8,703,006 D. 7,803,006

b. $2 \times 6 \times 100 =$ _____

A. 120 B. 1,200 C. 12,000 D. 612

c. $26{,}473 \approx$ _____ [to the nearest Ten]

A. 26,400 B. 26,470 C. 26,000 D. 26,500

d. $3{,}582 + 5{,}076 =$ _____

A. 8,558 B. 8,568 C. 8,658 D. 8,865

e. The value of the digit 7 in the number 3,576,241,198 is _____

A. 70,000 B. 700,000 C. 7,000,000 D. 70,000,000

General Revision On Unit 5

1. Complete.

1. $500 \times 7 =$ _____ [El-Monofia - Sadat City 23]
2. If $A \times 6 = 18$, then $A =$ _____ [Giza - Abo El-Nomros 23]
3. $20 \times 6 =$ _____ $\times 20$ [Cairo - El-Shrouk 23]
4. $600 \times 3 =$ _____ [Cairo - El-Shrouk 23]
5. The product of multiplying a number × zero = _____ [El-Monofia 23]
6. Maha saves 10 pounds of her expenses every day. How much does she save per week ?
   She saves _____ [El-Monofia - Sers El-Layyan 23]
7. $30 \times 50 =$ _____ [Ismailia 23]
8. $6{,}000 \times$ _____ $= 42{,}000$ [Cairo 23]
9. $200 \times 3 =$ _____ [Cairo - El-Nozha 23]
10. If $1{,}000 \times Z = 3{,}000$, then $Z =$ _____ [Cairo - El-Nozha 23]
11. $[42 \times 15] \times$ _____ $= 42 \times [15 \times 25]$ [Giza 23]
12. $12 \times 45 =$ _____ $\times$ _____ is called commutative property. [Alex. - Al-Agamy 23]
13. $7 + 7 + 7 + 7 = 7 \times$ _____ [Giza 23]
14. $30 \times 70 =$ _____
15. _____ $\times 70 = 3{,}500$ [Ismailia 23]
16. 5 times _____ $= 45$ [Alex. - El-Montaza 23]

---

2. Choose the correct answer.

1. $6 \times 0 =$ _____ [El-Menia 23]

   A. 0 **B.** 1 **C.** 2 **D.** 3

2. If $a \times 13 = 13 \times 7$, then $a =$ _____ [El-Menia 23]

   A. 1 **B.** 2 **C.** 7 **D.** 4

3. Which of the following represents the associative property ?

   A. $11 \times 129 = 129 \times 11$ **B.** $2 \times [5 \times 3] = [2 \times 5] \times 3$ [El-Beheira 23]

   C. $0 \times 17 = 0$ **D.** $[2 \times L] \times w$

4. $5 \times 7 = 7 \times 5$ the property is called _____ [El-Beheira 23]

   A. associative **B.** commutative **C.** additive identity **D.** none of the previous

5. $25 \times 32 = 32 \times$ _____ [El-Kalyoubia 23]

A. 32 **B.** 25 **C.** 30 **D.** 20

6. $4 \times 100 =$ _____

A. 40 **B.** 400 **C.** 4,000 **D.** 40,000

7. If $850 \times m = 850$, then $m =$ _____ [Ismailia 23]

A. 1 **B.** 850 **C.** 2 **D.** 0

8. Which choice best shows the zero property of multiplication ? [Cairo - El-Nozha 23]

A. $1 \times 5 = 5$ **B.** $9 \times 6 = 6 \times 9$

C. $6 \times 10 = 60$ **D.** $0 \times 5 = 0$

9. 45 is _____ times the number 5 [Cairo - Al-Khalifa and Al-Mokattam 23]

A. 9 **B.** 6 **C.** 5 **D.** 40

10. The number 42 is 6 times the number _____ [Giza 23]

A. 7 **B.** 9 **C.** 8 **D.** 5

11. The number 30 equals 5 times the number _____ [Cairo - El-Marg 23]

A. 6 **B.** 5 **C.** 150 **D.** 25

12. A building is 20 meters high. A bridge is 5 meters long. How many times the building is longer than the bridge ? [Alex. - Al-Agamy 23]

A. 3 **B.** 4 **C.** 15 **D.** 10

13. In the equation $6 \times b = 42$, then $b =$ _____ [Alex. - West 23]

A. 8 **B.** 5 **C.** 6 **D.** 7

14. $34 \times$ _____ $= 3{,}400$ [Alex. - West 23]

A. 1 **B.** 10 **C.** 100 **D.** 1,000

15. $80 \times 60 =$ _____ $\times 100$ [Giza 23]

A. 84 **B.** 80 **C.** 48 **D.** 4,800

16. $2 \times [5 \times 4] = [2 \times$ _____ $] \times 4$ [Souhag 23]

A. 0 **B.** 1 **C.** 10 **D.** 5

3. Answer each of the following.

1. Sarah walked 5,000 meters every day for 9 days, what is the total number of kilometers that Sarah walked ? [Cairo - El-Shrouk 23]
2. Mariam bought 4 mobiles, the price of each mobile is 1,000 pounds, how much did Mariam pay ? [Giza 23]
3. Ahmed bought 10 pens, if the price of a pen is 200 piasters, what is the price of all pens ? [Giza 23]
4. Ali travelled 8 days continuously, he travelled 3,000 m each day. How many kilometers did he travel in all ? [Souhag 23]
5. Ayman ate 4 figs in the morning. His older brother ate 3 times as many. How many figs did his brother eat ? [Giza - 6th October 22]
6. Hany works 30 hours a week. If he gains L.E. 8 per hour. How much does Hany gain in a week ?

Unit Five Assessment

1. Choose the correct answer.

1. $5 \times 9 = 9 \times$ _____

A. 5 B. 9 C. 14 D. 4

2. $375 \times$ _____ $= 37{,}500$

A. 10 B. 100 C. 1,000 D. 10,000

3. $0 \times 25 =$ _____

A. 25 B. 1 C. 0 D. 250

4. Which equation would be the best to include in an explanation of the Commutative Property of Multiplication ?

A. $3 \times 5 = 5 \times 3$ B. $4 \times 16 = [4 \times 11] + [4 \times 5]$

C. $[6 \times 4] \times 2 = 6 \times [4 \times 2]$ D. $5 \times 1 = 5$

5. Which equation would be the best to include in an explanation of the Associative Property of Multiplication ?

A. $[9 \times 12] \times 0 = 0$ B. $[4 \times 6] \times 1 = 4 \times 6$

C. $[3 \times 7] \times 2 = 3 \times [7 \times 2]$ D. $7 \times 6 = 6 \times 7$

6. A box has 7 green balls. The box has yellow balls 5 times as many as green balls. How many yellow balls are in the box ?

A. 12 B. 35 C. 2 D. 75

7. The bar model | 3 | 3 | 3 | 3 | 3 | represents that the number _____ is 5 times number 3 [Giza - Abo El-Nomros 23]

A. 8 B. 15 C. 20 D. 30

2. Complete.

1. $4 \times 3 \times 7 = 4 \times$ _____ [Cairo - El-Kobba 22]
2. The multiplicative equation of $8 + 8 + 8 + 8 + 8 = 40$ is _____
3. The Multiplicative Identify Element is _____ [Alexandria - Montaza 22]
4. 3,200 = _____ Hundreds
5. $4 \times 7 = 7 \times 4$ _____ Property of Multiplication. [Port Said 22]

6. If $A \times 7 = 21$, then A = _____

7. If $1{,}000 \times Z = 3{,}000$, then Z = _____ [Cairo - El-Nozha 23]

8. 7 times as the number 5 = _____ [Cairo - El-Shrouk 23]

3. Choose the correct answer.

1. The number 15 equals 5 Times the number _____ [Cairo - Rod El-Farag 23]

   A. 4 **B.** 5 **C.** 3 **D.** 15

2. If $X \times 10 = 100$ then X = _____ [Souhag 23]

   A. 10 **B.** 5 **C.** 15 **D.** 20

3. 0×216 = _____ [Alex. 23]

   A. 216 **B.** 2,160 **C.** 1 **D.** 0

4. $13 \times 24 = 24 \times 13$ represents _____ Property. [Giza 23]

   A. Associative **B.** Commutative

   C. Multiplicative Identity **D.** Distribution

5. What is the number that is 10 times the number 18 ? [El-Menia 23]

   A. 28 **B.** 1,800 **C.** 180 **D.** 18

6. If $a \times 4 = 4 \times 2$, then a = _____ [Giza 23]

   A. 8 **B.** 4 **C.** 2 **D.** 6

7. $2 \times [7 \times 4] = [2 \times$ _____ $] \times 4$

   A. 2 **B.** 7 **C.** 4 **D.** 28

4. Answer the following.

1. Ayman ate 4 figs and his brother ate 3 times as him, how many figs did his brother eat ?
   His brother ate = _____ [Cairo - El-Shrouk 23]

2. Hany bought 3 packs of water bottles. Each pack had 3 rows of 4 water bottels. How many water bottles did Hany buy ? _____ [Giza 23]

3. Apply the properties of multiplication to solve the problems.

   a. $3 \times 2 \times 4$ **b.** $5 \times 7 \times 2$

4. Find the unknown value.

   a. $7 \times 5{,}000 = 7 \times 5 \times m$ **b.** $[3 \times 7] \times 6 = 3 \times [m \times 6]$

   c. $9 \times 4 = 4 \times m$ **d.** $248 \times m$ = zero

Cumulative Assessments on UNIT 6

Cumulative Assessment 25 Till lessons (1 & 2) unit 6

1. Choose the correct answer.

a. 4 is a factor of _____

A. 14 **B.** 12 **C.** 22 **D.** 42

b. 30 = 5 × _____

A. 6 **B.** 5 **C.** 8 **D.** 7

c. 48 is 6 times the number _____

A. 6 **B.** 9 **C.** 7 **D.** 8

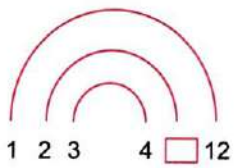
d. _____ is a factor of 27.

A. 4 **B.** 5 **C.** 9 **D.** 10

e. The missing factor in the factor rainbow is _____

A. 6 **B.** 12

C. 24 **D.** 36



2. Complete.

a. All factors of 6 are _____

b. _____ is the only even prime number.

c. 76 × 1,000 = _____

d. The value of 8 in the number 387,064,100 is _____

e. 8 kg , 8 g = _____ g

f. 789 mm = _____ cm , _____ mm

g. The side length of a square = the perimeter of the square ÷ _____

3. Write.

a. All the factors of 32

_____

b. All the factors of 23

_____

c. All prime numbers between 20 and 40

_____

d. All composite numbers between 50 and 65

_____

Cumulative Assessment 26 Till lesson 3 unit 6

1. Write the common factors of each pair of numbers.

a. 12 and 28

b. 30 and 42

c. 19 and 8

2. Complete.

a. G.C.F of 18 and 40 is _____

b. $100 \times 24 =$ _____

c. $[5 \times 8] \times 7 =$ _____ × _____ = _____

d. G.C.F of 10 and 25 is _____

e. 3,275 ≈ _____ rounding to the nearest Hundred.

3. Choose the correct answer.

a. The common factor of all numbers is _____

A. 1 B. 0 C. 2 D. 10

b. 38,265 m < _____

A. 38 km B. 38 km + 100 m C. 83 km D. 83 m

c. 3 and 7 are factors of _____

A. 36 B. 18 C. 35 D. 42

d. $7 + 7 + 7 + 7 =$ _____

A. 4×7 B. $7 + 4$ C. 7×7 D. $7 + 7$

e. If $3{,}000 - x = 1{,}391$, then $x =$ _____

A. 4,391 B. 2,391 C. 1,609 D. 2,609

4. Bassem has 48 pens and 40 pencils, he wants to put them in packs so that each pack has the same number of pens and the same number of pencils. What is the greatest number of packs? What is the number of pens and pencils of each pack?

Cumulative Assessment 27 Till lessons (4 & 5) unit 6

1. Complete.

a. The common multiple for all numbers is _____

b. The smallest prime number is _____

c. 50,000,000 + 341,000 + 143 = _____

d. In the opposite bar model, the value of b = _____

b	
3,301	2,001

e. 5 km – 3,000 m = _____ km

2. Choose the correct answer.

a. 38,294,182 rounded to the nearest Hundred Thousand is _____

A. 38,200,000 B. 30,000,000 C. 38,290,000 D. 38,300,000

b. _____ is a multiple of 8.

A. 56 B. 42 C. 36 D. 18

c. _____ is not a multiple of 6.

A. 36 B. 0 C. 26 D. 24

d. 0 is a common multiple of _____

A. 10 and 8 only. B. all numbers. C. 6 and 9 only. D. 4 and 5 only.

3. List.

a. All multiples of 3 up to 30

b. All factors of 36

c. Two common multiples of 2 and 5

4. Bassem has a swimming practice every five days of July , beginning July 5
How many times he will go to his practice in July ?

Cumulative Assessment 28 Till lesson 6 unit 6

1. Complete.

a. 15 is a multiple of 5 , then _____ is a factor of _____

b. Write 3 factors of 36 _____ , _____ , _____

c. 3 × 20 = _____ × 3

d. 280,000 = _____ thousands

e. The numbers 1 , 3 , 9 , 27 are all factors of _____

2. Choose the correct answer.

a. 45 is a multiple of _____

A. 7 B. 9 C. 6 D. 2

b. 8 is a multiple of _____ and _____

A. 2 , 6 B. 4 , 12 C. 4 , 8 D. 8 , 16

c. If 5 × a = 35 , then a = _____

A. 7 B. 5 C. 6 D. 8

d. G.C.F of 36 and 24 is _____

A. 8 B. 12 C. 9 D. 6

e. A number has only two factors and their sum is 8 , then the number is _____

A. 3 B. 5 C. 6 D. 7

3. a. The number is an even number , it is a multiple of 3 and 5 and lies between 20 and 40 What number is it ?

b. The number is an odd number , it is a multiple of 3 and a factor of 18 and lies between 5 and 15. What number is it ?

4. Find the relationship between the numbers in each group. Write at least two sentences describing each relationship.

a. 2 , 5 and 10

b. 4 , 6 , 12 and 30

General Revision On Unit 6

1. Complete.

1. _____ is the only even prime number. [Cairo - El-Khalifa and El-Mokattam 22]

2. The number that has only two factors and their sum equals 8 is _____
[El-Monofia - Quesna 22]

3. The common factor of all numbers is _____ [El-Dakahlia 22]

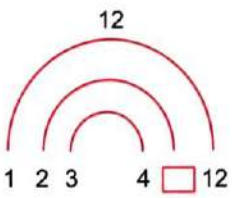
4. The numbers 1 , 3 , 9 , 27 are all factors of _____ [Damietta 22]

5. The number of factors of the prime number is _____ [El-Menia - Samalot 22]

6. _____ is the common multiple for all numbers. [El-Monofia - Sadat City 23]

7. The number 4 has _____ factors.

8. The missing factor in the opposite rainbow is _____



[El-Monofia - Sers El-Layyan 23]

9. The smallest prime number is _____ [Cairo 23]

10. The G.C.F of 8 and 16 is _____ [Giza 23]

11. The factor pair 3 and 8 is for the number _____

12. The G.C.F of 20 and 30 is _____

13. Write 3 multiples of 5 _____ , _____ , _____

14. If 4 × 9 = 36 , then _____ is a multiple of the two numbers _____ and _____

15. If 7 × 3 = _____ , then _____ is a multiple of the two numbers 7 and 3

16. The missing factor in the opposite factor T-chart is _____

Factors of 18	
1	18
2	○
3	6

2. Choose the correct answer.

1. Which of the following is NOT a multiple of 7 ? [Cairo - Heliopolis 22]

A. 42 B. 63 C. 707 D. 27

2. Which is NOT a common multiple of 9 and 6 ? [Cairo - El-Khalifa and El-Mokattam 22]

A. 36 B. 54 C. 27 D. 18

3. Which number is the greatest common factor [G.C.F] of 12 and 6 ?

A. 2 B. 3 C. 6 D. 12 [Alex. - West 22]

4. The prime number has _____ factors only. [El-Dakahlia 22]

A. 0 B. 1 C. 2 D. 4

5. _____ is a factor of 63 [Port Said 22]

A. 2 B. 5 C. 7 D. 11

6. The list of all the factors of 16 is _____ [Beni Suef 22]

A. 1 , 16 B. 2 , 4 , 8 C. 1 , 2 , 4 , 8 , 16 D. 1 , 2 , 4 , 6 , 8 , 16

7. _____ is the smallest prime number. [El-Monofia - Sadat City 23]

A. 0 B. 1 C. 2 D. 3

8. _____ is a factor of 14. [El-Monofia - Sadat City 23]

A. 2 B. 3 C. 4 D. 5

9. The even number which is a multiple of : 3 , 4 , 6 together is _____ [Aswan 23]

A. 20 B. 18 C. 28 D. 12

10. _____ is a multiple of 2 [Aswan 23]

A. 3 B. 5 C. 11 D. 8

11. Which of the following is a prime number ? [El-Menia 23]

A. 4 B. 7 C. 15 D. 18

12. _____ is a common multiple of all numbers. [El-Menia 23]

A. 0 B. 1 C. 2 D. 3

13. The smallest odd prime number is _____ [Cairo 23]

A. 0 B. 1 C. 2 D. 3

14. 25 is a multiple of _____ [Cairo 23]

A. 5 B. 7 C. 9 D. 10

15. 30 is a multiple of _____ [El-Beheira 23]

A. 8 B. 7 C. 6 D. 4

16. The number _____ is a factor of the number 8 [Cairo - El-Salam 23]

A. 16 B. 24 C. 32 D. 4

3. Answer each of the following.

1. Find the G.C.F of 25 and 35 [Giza - Dokki 22]
2. Write all factors of the number 24 , then decide if the number is a prime or composite. [Giza - 6th October 22]
3. Write the common factors of 12 and 18 , then find the greatest common factor (G.C.F). [El-Sharkia 22]
4. Find the G.C.F of 30 and 45 [Ismailia 22]
5. An even number between 20 and 30 some of its factors include : 1 , 2 , 4 , 7 and 14. What is it ? [Suez 22]
6. Find 4 multiples of the number 9 [El-Monofia 23]

Unit Six Assessment

1. Choose the correct answer.

1. The prime number between 30 and 35 is _____ [Cairo 23]

   A. 31 **B.** 32 **C.** 33 **D.** 34

2. The number 8 has _____ factors. [Cairo 23]

   A. 2 **B.** 3 **C.** 4 **D.** 5

3. All the factors of 16 are _____ [Cairo 23]

   A. 1 , 16 **B.** 2 , 4 , 8 **C.** 1 , 2 , 4 , 8 , 16 **D.** 4 , 8 , 16

4. The number _____ is a multiple of the number 4 [El-Kalyoubia 23]

   A. 3 **B.** 5 **C.** 18 **D.** 16

5. The number _____ is the common factor of all numbers. [Giza 23]

   A. 1 **B.** 0 **C.** 2 **D.** 3

6. _____ is not a multiple of 6 [Alex. - El-Montaza 23]

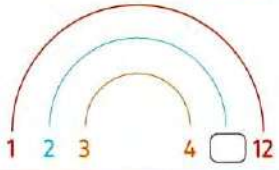
   A. 30 **B.** 36 **C.** 16 **D.** 24

7. _____ is a factor of 72 [Aswan 23]

   A. 5 **B.** 9 **C.** 7 **D.** 11

2. Complete.

1. The common factor for all numbers is _____ [Cairo 23]
2. _____ is the common multiple for all numbers. [El-Monofia - Sadat 23]
3. The number of factors of a prime number is _____ [El-Menia - Samlout 22]
4. The only even prime number is _____ [El-Sharkia 22]
5. The G.C.F of 4 and 8 is _____
6. The smallest odd prime number is _____ [El-Beheira - Kafr El-Dawwar 22]
7. A number that has only two factors and their sum of 8 is _____ [Aswan - Kom Ombo 22]
8. The missing factor in the opposite factor rainbow is _____ [Luxor 22]



3. Choose the correct answer.

1. Which number is a multiple of 9 ?

   A. 1 **B.** 3 **C.** 27 **D.** 30

2. The number _____ has the factors 1 , 2 , 4 , 5 , 10 , 20.

A. 10 B. 16 C. 20 D. 30

3. Which is NOT a common multiple of 3 and 5 ?

A. 15 B. 30 C. 40 D. 45

4. _____ is NOT a prime number.

A. 1 B. 2 C. 7 D. 11

5. The multiple of 4 is _____ [Giza 23]

A. 1 B. 2 C. 3 D. 4

6. The number 7 has _____ factors. [Cairo 23]

A. 1 B. 2 C. 3 D. 4

7. Which of the following is a prime number ? [Cairo 23]

A. 10 B. 15 C. 17 D. 12

4. Answer the following.

1. An even number between 20 and 30 , some of its factors include : 1 , 2 , 4 , 7 and 14
What is it ? The number is _____ [Giza - Awseem 23]

2. Find all factors of 30 and create a factor rainbow and T-chart.

3. Find the multiples of each of the numbers 8 and 12 up to 40, then find the common multiples between them.

4. Find the common factors and the greatest common factor [G.C.F] of 24 and 40.

Assessment 1 on Lesson 1

Unit 4

1 Choose the correct answer:

ⓐ 2,500 centimeters = ... meters (25 or 250 or 25,000 or 2,500)

ⓑ Million is the **smallest** number formed from ..... digits (6 or 7 or 10 or 8)

ⓒ A rectangle has a length of 7 cm and a width of 2 cm. Its perimeter is ..... . (14 or 16 or 18 or 28)

ⓓ Three hundred million, thirty thousand **(In standard form)** = ... (300,030,000 or 300,300,000 or 300,003,000 or 3,300,003)

ⓔ 198 + 214 = ... + 198 (190 or 200 or 214 or 210)

2 Complete the following:

ⓐ A square whose sides are 20 mm, then its perimeter is:

P= ..... .

ⓑ (4 X 10,000,000) + (2 X 10,000) + (3 X 10) = ...

ⓒ The place value of the digit 6 in 245,602,714 is ..... .

ⓓ 45 + (55 + 19) = (..... + 55) + ... (..... *Property)*

ⓔ 45,000 milliliters = ... liters

3 Find the result of each of the following:

ⓐ 456,258 + 245,051 = ...

ⓑ 500,120 – 150,058 = ...

ⓒ 500,000,000 + 2,000,000 + 400 + 70 + 3 = ...

ⓓ 800,000,000 – 1 = ...

4 Arrange the following numbers in a descending order:

450,000 , 500,400 , 400,500 , 540,000 , 405,000

..... , ... , ... , ... , ...

5 A painting is 5 meters in length and 2 meters in width. Find the perimeter of the necessary frame for this painting.

.....

Assessment 2 on Lesson 2

Unit 4

1 Choose the correct answer:

ⓐ A square with side length **8** cm, its area is ..... cm^2.
(88 or 32 or 64 or 16)

ⓑ The **value** of the digit **7** in the **Ten Thousands** place = ...
(70 or 700 or 7,000 or 70,000)

ⓒ 400 Millions + 40 Thousands + 4 = ...
(4,004,400 or 400,400,400 or 400,040,004 or 4,000,404)

ⓓ A rectangle has a length of **6** cm and a width of **3** cm. Its perimeter is ..... .
($36\ cm^2$ or 18 cm or $18\ cm^2$ or $9\ cm^2$)

ⓔ 204,000 ..... 20,000 + 4,000
(< or = or >)

2 Complete the following:

ⓐ A rectangle is **10** cm long and **5** cm wide, A = ... cm^2.

ⓑ 45,218 ≈ ..... . **(Rounded the nearest 10,000)**

ⓒ 50 ten millions = ... thousands.

ⓓ A square has an area of **25** cm^2, the length of its side is ..... .

ⓔ 100,000 meters = ... kilometers

3 Complete using (<, = or >):

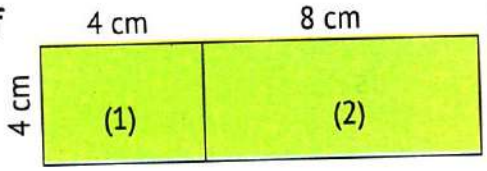
ⓐ 45,025,000 40,525,000

ⓑ 4 X 100,000,000 ..... 4 X 1,000,000,000

ⓒ 4,000 grams ..... 40,000 kilogram

ⓓ 200 millions 2,000,000

4 Calculate the perimeter and area of the corresponding figure:



ⓐ Area = ...

ⓑ Perimeter = ...

5 In a company, a piece of glass is cut to cover the top of a dining table. The table is 8 meters by 6 meters. What is the area of the piece of glass needed for this table?

.....

Assessment 3 on Lesson 3

Unit 4

1 Choose the correct answer:

ⓐ A square has a perimeter of 12 cm, then its area is ..... cm^2.

(21 or 3 or 9 or 24)

ⓑ The **value** of the digit 9 in 45,952,102 is ..... .

(9,000,000 or 900,000 or 90,000 or 9,000)

ⓒ 5 + 0 = 5 *(..... Property)*

(Distributive or Associative or Commutative or Additive Identity Element)

ⓓ 25,452 ≈ 30,000 *(Rounded to the nearest .....)*

(1,000 or 10,000 or 100,000 or 1,000,000)

ⓔ The best unit for measuring the **height** of a school is ..... .

(kilometers or meters or centimeters or millimeters)

2 Complete the following:

ⓐ A rectangle has an area of 45 cm^2 and a width of 5 cm, then its perimeter is ..... .

ⓑ 5,065 cm = ... m, ... cm.

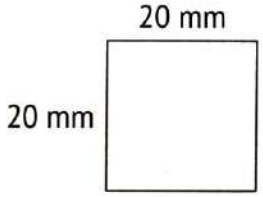
ⓒ 300,450 = (3 X .....) + (4 X .....) + (5 X .....)

ⓓ 245 + 218 = ... + 245 *(..... Property)*

ⓔ If χ + 245 = 786, then χ = ...

3 Calculate the perimeter and area of each of the following shapes:

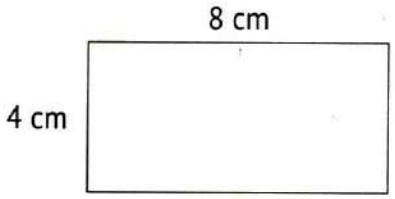
ⓐ



.....

.....

ⓑ



.....

.....

4 A city is in the shape of a rectangle. It is 4 kilometers wide and 8 kilometers long. What is the area of this city?

..... .

Assessment 4 on Lesson 4

Unit 4

1 Choose the correct answer:

ⓐ 2 km + 50 m = ... m (53 or 250 or 2,500 or 2,050)

ⓑ 45 + 35 = ... – 45 (35 or 80 or 145 or 125)

ⓒ 50 m + 5 dm = ... cm (505 or 5,050 or 550 or 55)

ⓓ A **kilogram** is a measuring unit of ..... .

(length or mass or capacity or time)

ⓔ The digit ..... in 745,215,369 is in the **Hundred Thousands** place.

(9 or 3 or 2 or 7)

2 Complete the following:

ⓐ A rectangle has an area of **30** cm^2 and a length of **10** cm. Then its perimeter is ..... .

ⓑ 36,000,250: **(In Word Form)**

..... .

ⓒ 120 hours = ... days

ⓓ 7,145 ≈ 7,100 *(Rounded to the nearest .....)*

ⓔ A square whose sides are **100** mm, its area is ..... cm^2.

3 Calculate the area and perimeter of following shape:

.....

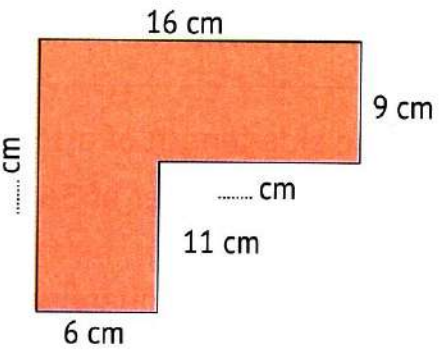
.....

.....

.....

.....

.....



Assessment on Concept 1

Unit 4

1 Choose the correct answer:

ⓐ The perimeter of a square with side length **5** cm is ..... cm.

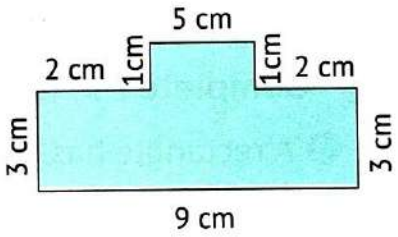
(10 or 15 or 25 or 20)

ⓑ The area of a rectangle with dimensions **7** cm and **2** cm is ..... cm^2.

(27 or 18 or 9 or 14)

ⓒ ..... is a unit of measuring area. (km or cm or mm or m^2)

2 Complete:



ⓐ The perimeter of the opposite figure is

= ..... .

ⓑ The length of a rectangle is **3** times its width. If its width is **6** m, then its length is ..... m.

ⓒ If the area of a square is **49** m^2, then its perimeter is ..... .

3 Complete using (<, = or >):

ⓐ The perimeter of a rectangle with a length of **6** cm and a width of **4** cm		The perimeter of a square with a side length **6** cm
ⓑ The side length of a square with a perimeter of **36** cm		The side length of a square with an area of **25** cm^2
ⓒ The area of a square with a side length **4** cm		The area of a rectangle with dimensions **9** cm and **3** cm

Assessment on Unit 4

First: **Choose the correct answer:**

1. A rectangle of 8 cm length and 6 cm width, its **perimeter** is ..... cm.

   (a) 8 + 6 + 8 + 6 (b) 8 X 6 X 8 X 6 (c) 8 X 6 X 2 (d) 8 + 6 + 2

2. A rectangle has a length of 9 cm and a width of one third of its length, **then its area** = ... cm^2.

   (a) 12 (b) 27 (c) 24 (d) 36

3. A square has an area of 64 cm^2, then its **perimeter** = ... cm.

   (a) 8 (b) 16 (c) 32 (d) 64

4. A square has a perimeter of 28 cm, then its **area** = ... cm^2.

   (a) 49 (b) 14 (c) 7 (d) 21

5. A rectangle has a perimeter of 24 cm and a length of 9 cm, then its **area** is ..... cm^2.

   (a) 3 (b) 31 (c) 12 (d) 27

6. Which of the following is a formula for the **perimeter of a rectangle?**

   (a) P = L + W + 2 (b) P = (L X W) X 2

   (c) P = (L X 2) + (W X 2) (d) P = (L X W) + 2

7. Which of the following is a formula for the **perimeter of a rectangle?**

   (a) P = L + W + L + W (b) P = L X 2 X W X 2

   (c) P = (L + 2) X (W + 2) (d) P = (L + W) + 2

8. Which of the following is a formula for the **area of a rectangle?**

   (a) A = L X W (b) A = L X W X 2

   (c) A = L + W (d) A = L + W + 2

9 The area of a rectangle whose length is 9 cm and its width is 4 cm is **equal** to the area of a square that has a **perimeter** of ..... cm.

(a) 24 (b) 36 (c) 13 (d) 18

10 The perimeter of a square that has an area of 25 cm^2 is equal to the perimeter of a rectangle whose **dimensions** are ..... .

(a) 12 cm, 13 cm (b) 8 cm, 12 cm

(c) 6 cm, 4 cm (d) 5 cm, 5 cm

Second: Complete the following:

1 A rectangle of 15 m length and 10 m width, its **perimeter** is ..... .

2 If a square has a 6 cm side length, then its **perimeter** is ..... .

3 A square whose sides are 7 mm has a **surface area** of ..... mm^2.

4 A rectangle has a length of 8 cm and a width of 4 cm. Its **surface area** is ..... cm^2.

5 A rectangle has a perimeter of 18 cm and a length of 7 cm, then its **area** is ..... cm^2.

6 If a rectangle has an area of 72 cm^2 and a width of 8 cm, then its **perimeter** is ..... .

7 If a square has a perimeter of 36 cm, then its side **length** is ..... cm.

8 If a square has an area of 36 cm^2, then its side **length** is ..... cm.

9 If a square has a perimeter of 16 cm, then its **area** is ..... cm^2.

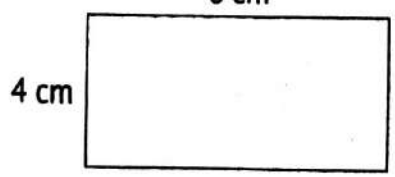
10 If a square has an area of 64 cm^2, then its **perimeter** is ..... cm.

Third: **Answer the following:**

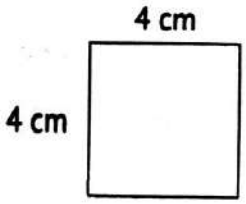
1 **Calculate the area and perimeter of each of the following shapes:**

(Show your steps)

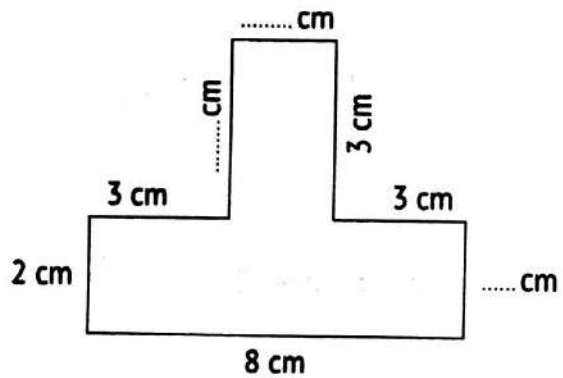
a



b



c



2 **The length of Fatima's rectangular garden is three times its width. If (W) is the width, write an equation that can represent the perimeter of Fatima's garden.**

3 **Adam has a rectangular computer keyboard that is 40 cm long and 15 cm wide. How can Adam calculate the perimeter of the keyboard?**

Assessment 1 on Lessons 1 – 3

Unit 5

1 Choose the correct answer:

ⓐ Three milliard, twenty-five thousand, two hundred: ..... .

(In standard form) (3,025,200 or 3,000,025,200 or 3,000,000,225 or 325,200)

ⓑ If 6 x ***m*** = 18, then **18** is ..... times as many as ***m***.

(3 or 6 or 2 or 18)

ⓒ A square with side length **S** and perimeter **P**, the equation that represents the perimeter is ..... . (P = S + S or P = S X S or P = S + 4 or P = 4 X S)

ⓓ A square has an area of **36** cm^2, then its perimeter is ..... .

(9 or 24 or 12 or 81)

ⓔ 8 + 8 + 8 + 8 = ... (8 + 8 or 8 X 8 or 8 X 4 or 8 + 4)

2 Complete the following:

ⓐ The value of the digit 5 in the **Hundred Millions** place is ..... .

ⓑ If 24 is **six times** ***a***, then 24 = ...

ⓒ 16 + 35 = ... + 16 (..... *Property*)

ⓓ If 45 = 9 X ***u***, then 45 is ..... times more than ***u***.

ⓔ (7 X 100,000,000) + (2 X 1,000,000) + (8 X 10,000) + (3 X 100)

= ..... **(In standard form)**

3 Arrange the following numbers in an ascending order:

450,005 , 850,600 , 200,755 , 360,450

..... , ... , ... , ...

4 Write an equation to compare each of the following:

ⓐ 12 and 4 **Equation:** ..... .

ⓑ 20 and 5 **Equation:** ..... .

ⓒ 16 and 8 **Equation:** ..... .

ⓓ 54 and 9 **Equation:** ..... .

Assessment on Concept 1

Unit 5

1 Choose the correct answer:

ⓐ If **24** is **8** times more than a number, then this number is ..... .

(5 or 3 or 8 or 2)

ⓑ ..... is 5 times greater than 7.

(14 or 35 or 21 or 28)

ⓒ The age of Kenzy is 3 times as the age of Retage. If Retage is **6** years old, then the equation ..... represents the age of Kenzy.

(3 + 3 + 3 or b X b = 3 or 3 X 6 = b or 3 X b = 6)

2 Complete the following:

ⓐ ..... = 6 X 9, then ..... is ..... times more than **9**

ⓑ Ahmed has **4** apples and his friend has **36** apples. The number of apples with Ahmed's friend is ..... times more than what Ahmed has.

ⓒ 16 is ..... times greater than 2.

3 Answer the following:

ⓐ Fouad is 56 years old, which is 7 times as the age of his grandson Ahmed. How old is Ahmed? Write an equation representing this comparison and then solve it.

Equation: ..... .

Solution: ..... .

ⓑ **Find the value of the unknown:**

[1] If c X 8 = 32, then c = ...

[2] If a = 9 X 5, then a = ...

Assessment 2 on Lessons 4&5

Unit 5

1 Choose the correct answer:

ⓐ 50 X ..... = 2,000 (4 or 40 or 400 or 4,000)

ⓑ If a X 6 = 24, then a = ... (30 or 4 or 6 or 24)

ⓒ The value of the digit 6 in the **Millions** place = ... times the value of the digit 6 in the **Thousands** place. (10 or 100 or 1,000 or 10,000)

ⓓ The equation that shows "48 is **six times** greater than m" is ..... .

(8 + m = 48 or 8 X m = 48 or 48 X m = 6 or 6 X m = 48)

ⓔ 80 + 0 + 0 + 0 + 5 = ... (800,005 or 805 or 85 or 8,005)

2 Complete the following:

ⓐ (3 + 12) + ... = ... + (12 + 4).

ⓑ 60 X 5,000 = ...

ⓒ 200 Hundred Thousands = ... Millions

ⓓ ..... X 20 = 10,000 ⓔ 8 X ..... = 8

3 Find the result of each of the following:

ⓐ 45,652 + 44,349 = ...

ⓑ 70,208 − 35,026 = ...

ⓒ 80 X 50 = ...

ⓓ 30 X 1,000 = ...

4 The height of a tree is 2 meters, and the height of a residential building is 10 times the height of the tree.
How high is the residential building?

.....

.....

Assessment 3 on Lessons 7&8

Unit 5

1 Choose the correct answer:

ⓐ 8 X 300 = 24 X ..... (300 or 10 or 100 or 1,000)

ⓑ Three hundred thirty million, three thousand = ...

(In standard form) (300,030,003 or 330,000,030 or 330,003,000 or 330,300)

ⓒ 40 X 50 = 2 X ..... (9 or 10 or 100 or 1,000)

ⓓ 50 X 2 = 10 X ..... (10 or 100 or 1,000 or 50)

ⓔ If 45 = 9 X ***a***, then ***a*** = ... (54 or 45 or 9 or 5)

2 Complete the following:

ⓐ (9 X 2) X 5 = 9 X (..... X .....)

ⓑ ..... **Hundreds** = 400 X 50

ⓒ The value of the digit 9 in the **Hundred Millions** place is ..... .

ⓓ (8 X 100,000,000)+ (6 X 100,000)+(3 X 1,000)+ (4 X 100) +(2 X 1)

= ..... **(In standard form)**

ⓔ 8 X 30 = 8 X (..... X 10) = (8 X 3) X ..... = ... X 10 = ...

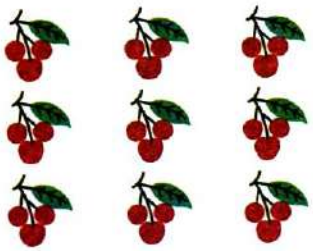
3 Arrange the following numbers in an ascending order:

450,000,002 , 405,200,000 , 450,200,000 , 405,000,002

..... , ... , ... , ...

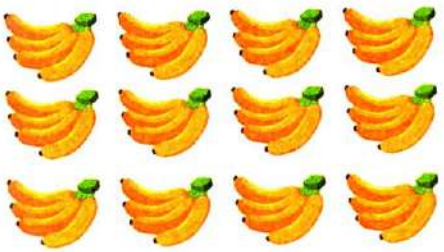
4 Use the Associative Property of Multiplication to calculate the number of fruits in the following pictures:

ⓐ



....

ⓑ



....

Assessment on Concept 2

Unit 5

1 Choose the correct answer:

ⓐ Which of the following represents the Associative Property? .....

((2 X 3) X 5 = 2 X (3X5) or 4 X 1 = 4 or 3 + 6 = 6 + 3 or 5 X 0 = 0)

ⓑ 3 X 700 = 3 X 100 X ..... (7 or 30 or 500 or 21)

ⓒ The Multiplicative Identity Element is ..... .

(1 or 2 or 0 or 3)

2 Complete:

ⓐ **If** 14 X 5 = 70, **then** ..... X ..... = 70. **(Commutative Property)**

ⓑ **If** a X 3 = 3 X 9, **then** a = ...

ⓒ 4 X 5 X 3 = (..... X .....) X .....

= ..... X .....

= .....

3 Find the value of the unknown:

ⓐ 65 X c = 65,000

.....

.....

ⓑ 8 X 80 = b

.....

.....

ⓒ y X 400 = 3,600

.....

.....

Assessment on Unit 5

First: **Choose the correct answer:**

1 The equation 18 = 3 X b represents the comparison ..... .

(a) 18 is 6 times more than b

(b) 3 is 18 times more than b

(c) 18 is 3 times more than b

(d) b is 3 times more than 18

2 8 + 8 + 8 + 8 + 8 = ...

(a) 8 X 8 (b) 8 + 8 (c) 8 + 5 (d) 8 X 5

3 6 X 4 = ...

(a) 6 + 6 + 6 + 6 (b) 6 X 6 X 6 X 6

(c) 4 + 4 + 4 + 4 (d) 4 X 4 X 4

4 If 5 X 7 = χ, then ..... .

(a) χ is 7 times more than 7

(b) χ is 5 times more than 7

(c) 5 is 7 times more than χ

(d) χ is 5 times more than 5

5 The **equation** that represents **"12 is 3 times as many as *m*"** is ..... .

(a) 12 = 3 X *m* (b) *m* = 3 X 12

(c) 3 = 12 X *m* (d) *m* = 36 X 3

6 The equation that represents **"28 is 4 times greater than *n*"** is ..... .

(a) 28 = 4*n* (b) 28*n* = 4

(c) 28 = 4 + *n* (d) 28 – *n* = 4

7 If 8 X 5 = *a* X 8, then *a* = ...

(a) 40 (b) 8 (c) 5 (d) 64

8 200 X ..... = 10,000

ⓐ 5 ⓑ 50 ⓒ 500 ⓓ 5,000

9 8 X 5 X 4 = (8 X 5) X 4 = ... X 4

ⓐ 40 ⓑ 8 ⓒ 20 ⓓ 10

10 8 X 500 = 40 X .....

ⓐ 5 ⓑ 100 ⓒ 10 ⓓ 1,000

Second: **Complete the following:**

1 3 X 4 X 5 = 3 X .....

2 9 X 3 = ... + ... + ...

3 The equation that represents "**36 is 4 times greater than *n***" is .....

.....

4 If $5\chi = 35$, then χ = ...

5 20 X 50 = 50 X .....

6 ..... = 80 X 500

7 600 X ..... = 30,000

8 (5 X 8) X 6 = ... X ..... = ...

9 6 X 30 = 18 X ..... = ...

10 9 X ..... = 36 X 100 = ...

Third: **Write an equation for the following comparisons. Use letters to represent the unknown, then find their values:**

1 ***m*** is 8 times greater than **6**.

Equation: ..... . **Solution:** ..... .

2 **24** is 8 times more than ***n***.

Equation: ..... . **Solution:** ..... .

3 **21** is ***a*** times as many as **3**.

Equation: ..... . **Solution:** ..... .

4 ***x*** is 6 times greater than **7**.

Equation: ..... . **Solution:** ..... .

Fourth: **Answer the following:**

ⓐ **Mahmoud has 20 crayons, which is 5 times more than the number of crayons that Hazem has. How many crayons does Hazem have? Write a multiplication equation representing this problem, and then solve it.**

.....

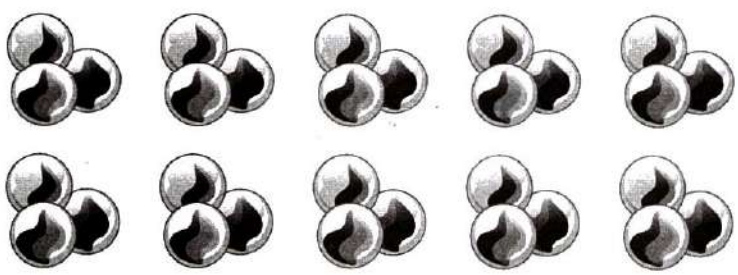
.....

ⓑ Nader has 12 oranges. **Write an equation using the Commutative Property of Multiplication to describe the two ways in which he can arrange the oranges.**

.....

.....

ⓒ **Use the Associative Property of Multiplication to calculate the number of marbles in the following picture.**



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Assessment 1 on Lessons 1&2

Unit 6

1 Find the result:

ⓐ 4,589 + 1,628 = ...

ⓑ 9,028 − 4,409 = ...

ⓒ 500 X 80 = ...

ⓓ 8 X 400 = ... X 100 = ...

2 Choose the correct answer:

ⓐ All prime numbers are **odd** numbers, except ..... is an **even** number.
(1 or 2 or 3 or 0)

ⓑ 45 million, 40 thousand, and 5 = ... in **standard form**.
(50,004,400 or 45,400,500 or 45,040,005 or 45,040,500)

ⓒ 4 X (6 X 3) = (4 X 6) X 3 (..... *Property)*
(Identity or Commutative or Associative or Distributive)

ⓓ A rectangle has a length of 5 cm and a width of 3 cm. Its area is ..... cm^2. (53 or 15 or 16 or 8)

ⓔ 6 is composite number because it has ..... .
(one factor only or two factors only or more than two factors or no factors)

3 Complete the following:

ⓐ The **smallest odd** prime number is .....

ⓑ (8 X 100,000,000) + (3 X 100,000) + (2 X 1,000) + (5 X 1)
(In standard form) = ...

ⓒ 90 X 300 = 27 X .....

ⓓ The prime numbers between 60 and 70 are ..... .

ⓔ The number of factors of 25 is ..... .

4 Find all the factors of each of the following numbers:

ⓐ 40

The factors of 40 are:

.....

ⓑ 28

The factors of 28 are:

.....

Assessment 2 on Lesson 3

Unit 6

1 Complete the following:

ⓐ 50,002,000 = (5 X .....) + (2 X .....).

ⓑ The **greatest common factor** of 9 and 6 is ..... .

ⓒ 90 x 500 = ...

ⓓ (6 x 5) x 80 = ... x ..... = ...

ⓔ 600,000,000 + 400,000 + 20,000 + 300 + 20 = ...

2 Choose the correct answer:

ⓐ 4 X (20 X .....) = (4 X 20) X 7 (4 or 20 or 7 or 80)

ⓑ The **greatest common factor** of 8 and 12 is ..... . (1 or 2 or 4 or 6)

ⓒ 9 x 500 = 45 x ..... . (1 or 10 or 100 or 1,000)

ⓓ A square has an area of 25 cm^2, its perimeter is ..... cm.
(25 or 5 or 20 or 50)

ⓔ 5,000 meters = ... kilometers. (5 or 50 or 500 or 5,000)

3 Find the greatest common factor of 30 and 45:

Factors of **30** are:

.....

Factors of **45** are:

.....

The **common factors** are: ..... .

The **greatest common factor** (GCF) is: ..... .

4 Maryam practices swimming and spends a third of an hour swimming every day. What is the total number of minutes she spends swimming in 5 days?

.....

.....

Assessment on Concept 1

Unit 6

1 Choose the correct answer:

ⓐ The **smallest** odd prime number is ..... . (3 or 2 or 7 or 11)

ⓑ The numbers **(1, 7, 14, 2)** are factors of ..... .

(14 or 7 or 5 or 24)

ⓒ The greatest common factor of **21** and **35** is ..... .

(5 or 7 or 8 or 3)

2 Complete:

ⓐ The number of factors of **9** is ..... .

ⓑ The ..... number has **two** factors only.

ⓒ The greatest common factor of **7** and **5** is ..... .

3 Match:

ⓐ The **smallest** even prime number is	•	• 6 1
ⓑ The **greatest** common factor of 40 and 50 is	•	• 2 2
ⓒ A factor of **24** is	•	• 10 3

4 A farm with 15 ducks and 25 chickens. Divide these birds into groups equal in number.

How many groups are there? How many ducks and chickens are in each group? .....

.....

Assessment 3 on Lessons 4–6

Unit 6

1 Choose the correct answer:

ⓐ Eight million, eighty **(In standard form)**: ..... .

(80,000,008 or 8,000,080 or 8,080,000 or 8,800,000)

ⓑ 12 is a **common multiple** of 3 and ..... . (5 or 4 or 9 or 7)

ⓒ A ..... is the best unit for measuring the **length** of an ant.

(centimeter or millimeter or meter or kilometer)

ⓓ 50 x ..... = 20,000 (4 or 40 or 400 or 4,000)

ⓔ 40 million x 100 = ...

(400 million or 4 milliard or 40 milliard or 40 million)

2 Complete the following:

ⓐ The **place value** of the digit 9 in 59,258,156 is ..... .

ⓑ 45,568 + 54,432 = ...

ⓒ The number 45,985 rounded to the nearest 100 ≈ ..... .

ⓓ A square whose **perimeter** is 20 cm, its side length = ... cm.

ⓔ A **common multiple** of the numbers 6, 8 and it lies between the numbers 20 and 30: (.....).

3 Find the multiples of each of 4 and 6, up to 30. Then find the common multiples between them:

– The multiples of 4 are: ..... .

– The multiples of 6 are: ..... .

– The common multiples of the two numbers are: .....

..... .

4 Shaimaa went to the club at 8:45 a.m. and came back at 10 a.m. How long has she been in the club?

.....

.....

Assessment on Concept 2

Unit 6

1 Choose the correct answer:

a The **common multiple** of all numbers is ..... . (1 or 9 or 4 or 0)

b All the following numbers are multiples of **3**, except ..... .

(17 or 24 or 18 or 9)

c **27** is a common multiple for **9** and ..... . (2 or 5 or 3 or 7)

2 Complete the following:

a **12** has ..... factors which are ..... .

b ..... is a common multiple of **4** and **8.**

c ..... is a multiple of **9**, and between **30** and **40.**

3 Match:

a A multiple of **5** is •	• 1 1
b A factor of **16** is •	• 40 2
c The **common factor** of all numbers is •	• 8 3

4 Complete:

a **If** 4 X 6 = 24, **then:**

1 **24** is a multiple of ..... and ..... .

2 ..... and ..... are factors of ..... .

b If **30** is a multiple of **5** and **6**, then ..... X ..... = ...

c If **4** and **7** are factors of **28**, then ..... X ..... = ...

Assessment on Unit 6

First: **Choose the correct answer:**

1 The number of **factors** of 16 is ..... .

ⓐ 3 ⓑ 4 ⓒ 5 ⓓ 6

2 17 is a **prime** number because ..... .

ⓐ it has one factor only ⓑ it has two factors only

ⓒ it has no factors ⓓ it has more than two factors

3 The number that has the **factors** (1 , 2 , 3 , 4 , 6 , 8 , 12 , 24) is ..... .

ⓐ 8 ⓑ 12 ⓒ 24 ⓓ 36

4 The **smallest odd** prime number is ..... .

ⓐ 0 ⓑ 1 ⓒ 2 ⓓ 3

5 The **greatest common factor** of 24 and 36 is ..... .

ⓐ 6 ⓑ 12 ⓒ 4 ⓓ 3

6 ..... is a **common multiple** of 8 and 6.

ⓐ 12 ⓑ 16 ⓒ 48 ⓓ 36

7 If 6 X 8 = 48, then ..... .

ⓐ 48 is a multiple of 6 and 8 ⓑ 48 is a factor of 6

ⓒ 48 is the sum of 6 and 8 ⓓ 6 is a factor of 8

8 ..... is an **odd** number and a **multiple** of the two numbers 5 and 7.

ⓐ 70 ⓑ 49 ⓒ 35 ⓓ 25

9 ..... is an **even** number and a **multiple** of the two numbers 5 and 3.

ⓐ 15 ⓑ 45 ⓒ 60 ⓓ 50

10 ..... is an **even** number, and (2 , 3 , 6 , 9) are of its **factors**.

ⓐ 30 ⓑ 24 ⓒ 45 ⓓ 36

Second: **Complete the following:**

1. The **factors** of 14 are ..... , ... , ... , ...
2. The **smallest odd** prime number is ..... .
3. The **prime numbers** between 20 and 40 are ..... , ... , ... , and ..... .
4. The number that has **two factors only** is called a ..... **number.**
5. The **smallest** two-digit prime number is ..... .
6. 2 is a factor of a number if the **Ones** digit of this number is ..... .
7. Multiples of 6, up to 20 are ..... .
8. The **common multiples** of 4 and 6 between 20 and 50 are ..... .
9. The relationship between the numbers 5, 6 and 30 is that 30 is a ..... for 5 and 6.
10. ..... is a prime number and the sum of its factors is 8.

Third: **Find the greatest common factor for 40 , 32:**

The factors of 40:

.....

The factors of 32:

.....

The **common factors** are: ..... .

The **greatest common factor** (GCF) is: ..... .

Fourth: **Find the multiples of 6 and 8, up to 50, then find the common multiples between them:**

The **multiples** of 6 are: .....

The **multiples** of 8 are: .....

The **common multiples** of the two numbers are: .....

Fifth: There is an alarm that rings every 3 hours and another alarm that rings every two hours. If they ring together at 12:00, when will they ring again together? (Show your steps)

.....

.....

.....

.....

.....

.....

Sixth: Hana has 12 red balloons, 18 blue balloons, and 24 white balloons. Hana wants to form **equal groups** of balloons, so that all groups contain the same number of balloons of different colors.

How many groups can be formed?

How many balloons of each color are in each group?

.....

.....

.....

.....

.....

.....

Unit 4

Al-Adwaa Assessment 1

25

1 Rania had a rectangular farm that is 20 meters wide and 28 meters long. If she needs to build a wooden fence around her entire farm, calculate how many meters of wood she needs to build the fence. She needs 3

a) 96 m **b)** 560 m **c)** 40 m **d)** 47 m

---

2 The length of a rectangle is C. The width is H. What is the equation used to calculate the perimeter? 3

a) C + H **b)** C × H **c)** (2 × C) + (2 × H) **d)** 2 × (C + H)

---

3 Laila has a rectangular garden that is 40 meters long and 20 meters wide. How can Laila calculate the area of her garden? She should use the formula ..... to calculate the area which is ..... meters square. 3

(2 × 40) + 20
40 × 20
(2 × 40) ÷ (2 × 20)
40 + 20

100
2
60
800

---

4 Which rectangles have a perimeter of 40 meters? Select two correct answers. 3

a) Rectangle A : 4 meters wide and 4 times as long.

b) Rectangle B : 1 meter wide and 5 times as long.

c) Rectangle C : 5 meters wide and 3 times as long.

d) Rectangle D : 4 meters wide and 2 times as long.

e) Rectangle E : 2 meters wide and 6 times as long.

---

5 Samir's rectangular garden has a length that is four times its width. If G represents the width, which two equations could represent the perimeter of Samir's garden?

a) P = (4 × G × 2) + (G × 2)

b) P = 4 × G × G

c) P = (2 × G) + (4 × G × 2)

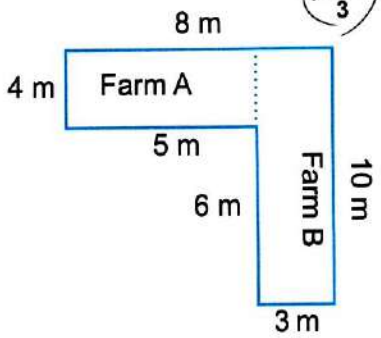
d) P = (4 × w) + (4 × G)

e) P = (G × 2) + (G × 2) + 4

3

6 **Rahaf wants to go for a walk around a park that connects two rectangular farms "A" and "B". How could she calculate the distances he will walk around the park? Choose the correct answer from the following:**

3



a) Multiply 3 and 5 for Farm "A" and multiply 2 and 10 for Farm "B", then add those products to get a total perimeter of 35 meters.

b) Multiply the dimensions of the park, which are 8, 3, 5, 6, 4 and 10 to get a total perimeter of 28800 meters.

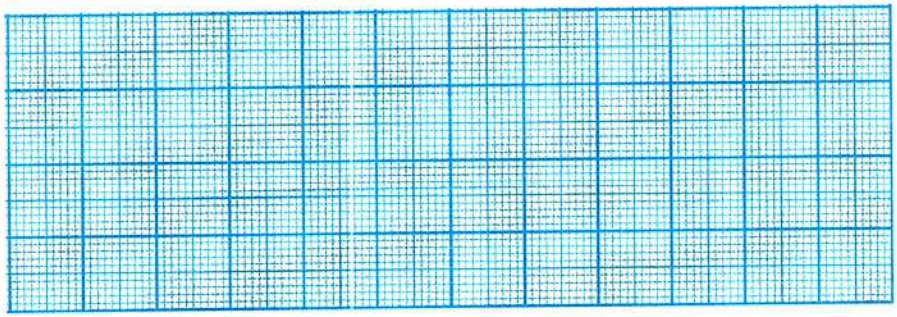
c) Add together the dimensions of Farm "A", which are 4, 5, 4 and 5, and the dimensions of Farm "B", which are 3, 10, 3 and 10 to get a total perimeter of 26 meters.

d) Add together the dimenstions of the park, which are 10, 3, 5, 6, 4 and 8 to get a total perimeter of 36 meters.

---

7 **Sherif draws a big rectangle that consists of two rectangles both of them has 5 units wide and their length is 2 times their width. Draw the big rectangle, then calculate its perimeter and its area.**

4



.....

.....

---

8 **Which rectangles have area of 24 square metres? Select three correct answers:**

3

a) Rectangle A : 2 meters wide and 12 meters long.

b) Rectangle B : 1 meter wide and 5 meters long.

c) Rectangle C : 3 meters wide and 8 meters long.

d) Rectangle D : 4 meters wide and 6 meters long.

e) Rectangle E : 5 meters wide and 6 meters long.

Unit 4

Al-Adwaa Assessment 2

/25

1 A square-shaped mirror, its area is 16 square meters. What is the side length of the mirror? Then calculate its perimeter. Include the value and unit in your response. /3

.....

.....

2 A city is in the shape of a rectangle. It is 12 kilometers wide and 28 kilometers long. What is the area of the city? /2

a) 12 + 28 = 48 square kilometers

b) (28 × 12) + (8 × 4) = 368 square kilometers

c) (2 × 28) + (2 × 12) = 80 square kilometers

d) 28 × 12 = 336 square kilometers

3 Which two choices show the formula for the width of a rectangle? /2

a) (2 × length) ÷ 2

b) area ÷ length

c) (perimeter ÷ 2) – length

d) perimeter ÷ width

4 Rasha draws a rectangle that is 10 centimeters long and 7 centimeters wide. Her brother also draws a rectangle that is 10 centimeters wide but its length is twice the width of his sister's rectangle. What is the area of the brother's rectangle? Include the value and unit in your response. /3

.....

5 A rectangular garden, its length is double its width if the length is 10 meters, what is the area of this garden? /3

.....

6 A football playground model of length 80 cm and width 20 cm. What is the perimeter of this model in meters? /3

.....

7 **Nada draws a rectangle that is 2 meters wide and 3 times as long. What is the area of Nada's rectangle?**

/2

a) 10 square meters

b) 30 square meters

c) 21 square meters

d) 12 square meters

---

8 **Ammar drew a rectangle that is 18 centimeters wide and its perimeter is 84 centimeters. Find the length of Ammar's rectangle.**

/2

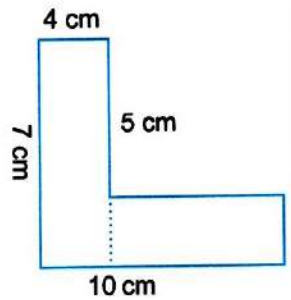
To calculate the length of the rectangle, he should use the equation .....

(84 ÷ 18) – 2
84 × 18
(84 – 18) × 2
(84 ÷ 2) – 18

---

9 **Two rectangles are joined to make the following figure. What is the area of the figure? Choose to explain how to find:**

/3



adding 4 + 5 + 7 + 10	adding 4 + 5 + 7 + 10	40
adding 5 + 4 + 5 + 4	adding 10 + 5 + 7 + 4	20
multiplying 4 × 7	multiplying 6 × 2	30
multiplying 10 × 7	multiplying 5 × 5	18

The area can be found by ..... and then ..... to find that the area which is ..... square centimeters.

---

10 **Soha's rectangular room is 10 meters long and has area of 70 meters square. What is the width of the room?**

/2

a) 7 meters **b)** 3 meters **c)** 8 meters **d)** 4 meters

Unit 5

Al-Adwaa Assessment 1

..... / 25

1 Read, then choose the correct answer: ..... / 5

a) The bar model | 2 | 2 | 2 | 2 | shows that ..... is four times greater than 2 (8 or 4 or 2 or 2,222)

b) 12 is twelve times greater than ..... (1 or 2 or 12 or 0)

c) 8 × 8 = 64 means that 64 is eight times greater than ..... (64 or 7 or 8 or 32)

d) 14 is seven times greater than ..... (14 or 7 or 2 or 98)

e) 20 = 5 × y means that 20 is ..... times greater than y. (4 or 20 or 5 or 15)

2 Which situation is an example of a multiplication comparison? ..... / 2

a) Ahmed has L.E. 67 and his brother Emad has L.E. 3 more than Ahmed.

b) Kamal has L.E. 6,700 in his account in the bank. He withdrew L.E. 4,000.

c) Samir has 9 birds in a cage and his friend Kareem has double the number of birds that Samir has.

d) Mona walked 3 kilometers a day, then she walked 2 kilometers more.

3 There are five identical apples. The weight of each one is 100 grams. What is the weight of these apples? ..... / 2

a) 150 grams b) 500 Kilograms c) 500 grams d) 105 grams

4 The bar model | 3 | 3 | 3 | 3 | shows that ..... is four times greater than 3. ..... / 2

a) 34 b) 3,333 c) 12 d) 3

5 A hotel has 6 floors, each floor has 18 rooms. Which equation of the following represents the total number of rooms in this hotel? ..... / 2

a) 6 + 18 = 24 b) 6 × 18 = 108 c) 18 ÷ 6 = 3 d) 18 – 6 = 12

6 Choose the correct numbers from the following to complete the equation: ..... / 2

(6 , 8 , 36 , 48)

A model is shown

48							
6	6	6	6	6	6	6	6

Which equation is best represented by this model: ..... × ..... = ...

7 **Consider the equation $18 \times 4 =$ .....**

2

Noha wants to set up a model for this equation using coins. How should she set up this model?

a) 18 total coins split into 4 same-sized groups.

b) 18 total coins split into 1 group of 4 coins and 1 group of the remaining coins.

c) 1 group of 4 coins and 1 group of 18 coins.

d) 4 groups of 18 coins each.

---

8 **A basket contains 7 white balls. There are blue balls 8 times as many as the white balls. How many balls are there in this basket?**

2

a) 56 **b)** 36 **c)** 63 **d)** 78

---

9 **Choose the best words or phrases to complete the following statement:**

3

Order / grouping	Change / doesn't change	Order / grouping	Change / doesn't change

a) The associative property of multiplication states that changing the ..... of the numbers being multiplied will ..... the value of the product.

b) The commutative property of multiplication states that changing the ..... of the numbers being multiplied will ..... the value of the product.

---

10 **Use the associative property of multiplication to solve the following problems:**

3

a) $7 \times 4 \times 100$

.....

b) $5 \times 2 \times 14$

.....

c) $7 \times 8 \times 10$

.....

d) $4 \times 5 \times 10$

.....

Unit 5

Al-Adwaa Assessment 2

/25

1 Choose the best words and numbers to complete the statement:

/4

8 × 3 = 24
4 × 6 = 24
8 × 4 = 32

add
subtract
multiply by
divide by

2
3
16
24

In a town, there are 8 hotels. The number of clothing stores is triple the number of hotels in this town. The equation which represents this situation is ..... × ..... = ...

To find the number of clothing stores in this town, it's required to 3

There are ..... clothing stores in this town.

2 Choose the suitable words or numbers to complete the statement:

/3

5 as (5 × 1)
300 as (3 × 100)

grouping
order

3
100

Explain how the associative property can be used to find 5 × 300

First, rewrite ..... , then change the ..... of the factors so that 5 × ..... is in parentheses.

3 Amal used the associative property to rewrite the correct evaluation of the expression 8,000 × 6. Which equation was most likely part of Amal's work?

/2

a) 100 × 14 = 14,000

b) 1,000 × 48 = 4,800

c) 100 × 14 = 1,400

d) 1,000 × 48 = 48,000

4 Which equation shows how to apply the associative property of multiplication to determine the value of 8 × (6 × 10)?

/2

a) 14 × 10 = 140

b) 48 × 10 = 480

c) 8 × 60 = 480

d) 8 × 16 = 128

5 Zeina writes the expression 129×0. Which statement is true? (2)

a) By applying the identity property of multipliation, Zeina can simplify the expression to be equal to 0

b) By applying the zero property multiplication, Zeina can simplify the expression to be equal to 0

c) By applying the identity property of multiplication, Zeina can simplify the expression to 129

d) By applying the zero property of multiplication, Zeina can simplify the expression to 129

---

6 Choose the suitable number to complete the following statement: (2)

9
10
19
8

90
80
40

$10 \times 9 = n$ means n is ..... times greater than 10 and the value of n is .....

---

7 Ahmed has L.E. 4, his brother Mohammed has the double of what Ahmed has, then Mohammed has L.E. ..... (3)

a) 7 **b)** 8 **c)** 12 **d)** 6

---

8 The bar model | 5 | 5 | 5 | 5 | shows that ..... is four times greater than 5. (2)

a) 25 **b)** 9 **c)** 20 **d)** 5,555

---

9 Which equation shows how to apply the associative property of multiplication to find the value of $4 \times (6 \times 10)$? (2)

a) 10×10 **b)** 24×10 **c)** 4×60 **d)** 4×16

---

10 Make a circle around each multiplication equation which has an unknown with value 4: (3)

a) $x \times 5 = 20$ **b)** $y \times 2 = 10$ **c)** $z \times 10 = 30$

d) $6 \times m = 24$ **e)** $7 \times n = 49$ **f)** $10 \times L = 100$

g) $2 \times 2 = x$ **h)** $1 \times m = 4$ **i)** $n \times 9 = 18$

Unit 6

Al-Adwaa Assessment 1

..... / 25

1 Choose the correct answer:

..... / 2 ½

a) The common factor of all numbers is ..... (2 or 0 or 1 or 5)

b) The multiples of the even numbers can be divided by ..... (5 or 2 or 6 or 3)

c) The G.C.F. of 12 and 16 is ..... (1 or 2 or 4 or 12)

d) The common multiple of all numbers is ..... (0 or 1 or 2 or 3)

e) The common factor of 2 and 6 is ..... (3 or 2 or 8 or 6)

---

2 Put (✓) or (✗):

..... / 2 ½

a) The G.C.F. of 16 and 24 is 4. ( )

b) One pair of the factors of 32 is (4 , 8). ( )

c) The third multiple of 7 is 14. ( )

d) The multiple of any number can be divided by 2. ( )

e) The prime number in the numbers (1, 11 and 14) is 1. ( )

---

3 Complete each of the following:

..... / 5

a) The G.C.F. between 36 and 45 is .....

b) The common factors between 48 and 54 are .....

c) 28 is a multiple of 4 because .....

d) The prime number has ..... factor(s).

e) The first common multiple of 9 and 8 except zero is .....

---

4 Which statements are correct about prime or composite numbers?

..... / 2

a) 1 is a prime number because it has exactly one factor. ( )

b) 3 is a composite number because it has exactly two factors. ( )

c) 9 is a composite number because it has more than two factors. ( )

d) 17 is a prime number because it has exactly two factors. ( )

5 Which statements are true about the multiple of a whole number? ..../2

a) 12 is a multiple of 4 because 4 is a factor of 12. ( )

b) 18 is a multiple of 2 because (2 , 9) is a pair of factors of 18. ( )

c) 15 is a multiple of 5 because (5 , 10) is a pair of factors of 15. ( )

d) 7 is a multiple of 7 because (0 , 7) is a pair of factors of 7. ( )

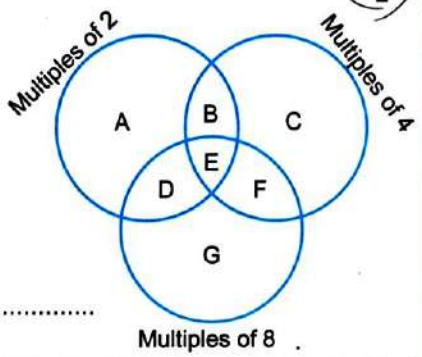
---

6 The diagram shows the relationship between multiples of 2, the multiples of 4 and the multiples of 8 ..../2

Complete:

a) 20 would be placed in the section labeled with the letter ..... because it is a multiple of .....

b) 16 would be placed in section labeled with letter ..... because it is a multiple of .....



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7 Choose the best words or numbers to complete the statement: ..../2

correct
incorrect

1 , 2 , 3 , 6
1 , 2 , 3 , 4 , 6 , 12
1 , 2 , 4 , 7 , 14 , 28

1 , 2 , 3 , 6
1 , 2 , 3 , 4 , 6 , 12
1 , 2 , 4 , 7 , 14 , 28

2
3
4

The greatest common factor of 12 and 28 is 12.

It is ..... because the factors of 12 are ..... and the factors of 28 are .....

Then the greatest common factor of 12 and 28 is .....

---

8 Write all the prime numbers less than 30 ..../3

.....

---

9 Write all the multiples of 3 which are less than 50 ..../2

.....

---

10 Write all the common factors between 18 and 36 then deduce the greatest one. ..../2

.....

Unit 6

Al-Adwaa Assessment 2

..... / 25

1 Choose the correct answer: ..... / 4

a) One of the common multiples of 3, 6 and 9 is ..... (9 or 12 or 18 or 21)

b) 36 is a multiple of 6 because .....

(6 is factor of 36 or the multiples of 6 are 15 and 20 or 36 is a multiple of 24 and 24 is a multiple of 6 or 6 is a factor of 42)

c) The prime number between these numbers is ..... (12 or 1 or 21 or 31)

d) The factors of 42 are .....

(1 , 21 , 42 or 21 , 2, 42 , 6 or 1 , 2 , 3 , 21 , 42 , 6 , 7 or 1 , 2 , 3 , 14 , 21 , 42 , 6 , 7)

2 Find the G.C.F. of 36 and 48. ..... / 1 ½

.....

3 Find three common multiples of 3 and 7. ..... / 1 ½

.....

4 Which phrase defines common factors between two numbers, such as 54 and 60? ..... / 2

a) The factors of each number, 54 and 60, listed with the greatest factor found on both lists circled.

b) The factors of each number, 54 and 60, listed with the same factors found on both lists circled.

c) The factors of each number, 54 and 60, listed with the smallest factor found on both lists circled.

d) The factors of each number, 54 and 60, listed with the different factors found on both lists circled.

5 Which of these statements is true? ..... / 2

a) 5 is a factor of 45, but is not a factor of 36.

b) 7 is a factor of 42, but is not a factor of 21.

c) 8 is a factor of 62, but is not a factor of 64.

d) 9 is a factor of 63, but is not a factor of 80.

6 Complete each of the following:

5

a) 4 is a common multiple of the two numbers ..... , ...

b) 6 is the greatest common factor of the two numbers ..... , ...

c) The multiples of 9 can be divided by .....

d) The common multiple of all numbers is .....

e) The common factors of 9 and 27 are ..... , ... , ...

---

7 Choose the best numbers or words to complete the statement about the factors of 18

3

(1 , 18)
1 , 2 , 3 , 6 , 9 , 18
18 , 54 , 36

composite
prime

exactly two factors
more than two factors

The factors of 18 are ..... the factors show that 18 is a ..... because it has .....

---

8 List three common multiples between 2 and 3

2

---

9 Is 15 a multiple of 3? (Select the correct answer.)

2

a) Yes, because 3 and 5 are factors of 15

b) No, because 1 and 3 are factors of 3

c) No, because 3 and 45 are multiples of 15

d) Yes, because 5 and 3 are multiples of 15

---

10 Hazem said that 12 is a factor of 36. Is he correct?

2

a) No, because 36 is not a factor of 12.

b) Yes, because 12 is not a multiple of 36.

c) No, because 12 and 36 are evenly divisible by 2.

d) Yes, because if 12 is multiplied by 3 it gives 36.

EL MOTAMYEZ - MATH Questions Bank

NOVEMBER REVISION

QUESTION 01 — Choose the correct answer

1. Area of a square is .....
   (a) 4 x s (b) s x s (c) L x W (d) (L + W) x 2
2. 10 is divisible by .....
   (a) 10 (b) 2 (c) 5 (d) all of them
3. the perimeter of a rectangle is ..... whose length is d and width is h
   (a) L x W (b) 2 x (d + h) (c) 2 x (5 x 3) (d) d x h
4. ..... Is a factor of all composite numbers
   (a) 2 (b) 3 (c) 1 (d) 0
5. the side length of a square is .....
   (a) A ÷ s (b) A ÷ 4 (c) P ÷ 4 (d) 4 x s
6. ..... Is not a prime number
   (a) 2 (b) 11 (c) 23 (d) 32
7. area of square = side length x .....
   (a) 4 (b) itself (c) width (d) length
8. 5 is ..... number
   (a) prime (b) composite (c) even (d)
9. 16 has ..... Factors.
   (a) 6 (b) 5 (c) 1 (d) 16
10. 850 x m = 850 , then m = ...
    (a) 1 (b) 850 (c) 2 (d) 0
11. 1 and .....are the factors of 13
    (a) 13 (b) 0 (c) 2 (d) 3
12. 60 x .....= 6000
    (a) 10 (b) 1 (c) 100 (d) 600
13. 3 is a factor of .....
    (a) 9 (b) 19 (c) 13 (d) 28
14. (200 x 30) x 0 = ...
    (a) associative (b) 6000 (c) 1 (d) 0
15. ..... X 500 = 0 , is using ..... Property
    (a) 0 , zero (b) 0 , identity (c) 500 , zero (d) 1 , identity

16 the multiplicative identity is .....
(a) 0 (b) 1 (c) 10 (d) 11

17 e x 6 = 24 , then e = ...
(a) 6 (b) 4 (c) 16 (d) 24

18 the factor of all numbers is .....
(a) 0 (b) 1 (c) 2 (d) 3

19 16 is 4 times the number .....
(a) 16 (b) 4 (c) 3 (d) 2

20 .....is a prime number
(a) 8 (b) 9 (c) 15 (d) 7

21 .....is the measurement of the distance around the shape .
(a) perimeter (b) area (c) square (d) s x s

22 all factors of 18 are .....
(a) 1,2,3,6,9,18 (b) 1 , 18 (c) 1,2,3,4,6,9,18 (d) 6

23 A line plot has a scale 4 . The fifth number on the scale is 28 then the third number is .....
(a) 28 (b) 24 (c) 20 (d) 16

24 Area of a rectangle is .....
(a) 4 x s (b) s x s (c) L x W (d) (L + W) x 2

25 ..... Is a factor of all odd numbers
(a) 2 (b) 3 (c) 1 (d) 0

26 .....is a factor of 60
(a) 10 (b) 6 (c) 2 (d) all of them

27 the greatest common factor of 12 and 6 is .....
(a) 2 (b) 3 (c) 6 (d) 12

28 1 x ..... = 654 , is using .....property .
(a) 654, identity (b) 0 , identity (c) 1 , commutative (d) 1

29 ..... Is a multiple of 3
(a) 14 (b) 15 (c) 13 (d) 23

30 The properties of multiplication properties are .....
(a) commutative (b) associative (c) identity (d) all of them

31 in a rectangle the half of perimeter is equal .....
(a) half area (b) (L + W) x 2 (c) L + W (d) 1

32 Perimeter of a rectangle is .....
(a) L x W (b) 2L x 2W (c) L + W + L + W (d) (L + W)

33 The scale of the graduated cylinder may be 5 or .....
(a) 10 (b) 20 (c) 100 (d) 4

34 1 and 5 are the common factors of .....
(a) 1 and 5 (b) 5 and 15 (c) 3 and 1 (d) 2 and 15

35 ..... is the common factor of 7 and 11
(a) 1 (b) 7 (c) 11 (d) 77

36 ..... Is not a composite number
(a) 2 (b) 1 (c) 42 (d) 36

37 all prime numbers are odd except .....
(a) 0 (b) 1 (c) 3 (d) 2

38 24 has ..... Factors
(a) 8 (b) 6 (c) 3 (d) 24

39 the number 19 has ..... Factors
(a) 3 (b) 1 (c) 2 (d) 0

40 60 x (40 x 30) = (..... x 30) x 40
(a) 60 (b) 40 (c) 1200 (d) 180

41 63 x 45 = 45 x .....
(a) 63 (b) 45 (c) 25 (d) 36

42 8 = 8 x .....
(a) 1 (b) 0 (c) 8 (d) 64

43 the length of a rectangle is .....
(a) A ÷ w (b) A x w (c) s x s (d) w ÷ A

44 Perimeter of a square is .....
(a) (s + s) x 2 (b) s + s + s (c) 4 + s (d) (L + W) x 2

45 Abeer rides her bike 5 km daily , then she covered ..... in 6 days
(a) 300 km (b) 30000 m (c) 30 m (d) 5000 m

46 4000 x 4 hundreds = ...
(a) 16000 (b) 400000 (c) 1600 tousands (d) 400 thousands

47 23 x b = 23 x 6 , then b = ...
(a) 23 (b) 0 (c) 6 (d) 1

48 the multiplication equation of 3 + 3 + 3 + 3 + 3 = 15 is .....
(a) 3 x 5 (b) 15 x 6 = 3 (c) 3 x 5 = 15 (d) 3 x 3

49 the width of a rectangle is .....cm. whose area is 32 square cm and length is 8 cm .
(a) 4 (b) 8 (c) 8 x 32 (d) 5

QUESTION 02 put (✓) or (X)

1. the area of a rectangle whose length is 4 cm and width is 2 cm is 12 cm . ( )
2. all prime numbers has 2 common factors . ( )
3. Area is the measurement of the distance around the shape . ( )
4. 1, 2, 3, 6, 18 are all factors of 18 . ( )
5. width of a rectangle > length of the same rectangle . ( )
6. 13 is not composite number . ( )
7. 5 times of 7 = 35 . ( )
8. 9 has 4 factors . ( )
9. 6 x 3 x 100 = 18 x 300. ( )
10. 0 is the multiplicative identity element . ( )
11. 450 is 10 times more than 45. ( )
12. (50 x 10) x 2 is called assoiative property . ( )
13. 200 hundreds = 2000. ( )
14. 7 x 4 = 7 + 7 + 7 + 7 . ( )
15. prime numbers has 2 or more factors. ( )
16. perimter of the rectangle = 4 x Length . ( )
17. 17 has 2 factors only ( )
18. the area of a square whose side length is 6 cm is 6 x 6 cm . ( )
19. 56 is a factor of itself . ( )
20. perimeter of a square is 4 multiply its side length . ( )
21. 1 is a factor of all even numbers only . ( )
22. 1 day = 24 min . ( )
23. 1 is a factor of all even numbers . ( )
24. 3 is a factor of 23. ( )
25. 11 is not prime number . ( )
26. 15 is a prime number. ( )
27. 3 x 4000 = 3 x 4 x m , then m = 1000. ( )
28. 64 is 8 times greater than 4. ( )

29. the property 3 x 6 = 6 x 3 is commutative property. ( )
30. Length of the rectangle = Area ÷ Width . ( )
31. the perimeter of a rectangle whose length is 6 cm and width is 5 cm is 30 cm . ( )
32. 3 hours = 72 days. ( )
33. 25 has 3 factor pairs. ( )
34. all prime numbers are odd. ( )
35. the smallest prime number is 3. ( )
36. 0 is the common factor of all numbers . ( )
37. the additive identity is 1 . ( )
38. 30 = 6 x e , then e = 5 . ( )
39. 45 is 9 times greater than 5. ( )

QUESTION 03 complete

1. the perimeter of a rectangle whose length is 5 cm and width is 3 cm is.....
2. ..... Is the product of two numbers
3. the area of a rectangle with dimensions 5 cm and 7 cm is .....
4. 1, 2, 4, 7, 14 are all factors of .....
5. the length of a rectangle is .....m. whose perimeter is 12 m and width is 2 m .
6. .....is not prime number nor composite number
7. The area of a square with side length 6 cm equals the area of a rectangle with 9 cm long and ....cm wide .
8. the smallest odd prime number is .....
9. the multiplication equation of 5 + 5 + 5 + 5 + 5 = 25 is .....
10. 4000 = ... hundreds.
11. .....x 6 = 18000.
12. ..... is three times ten.
13. 63 x ..... = 0
14. The perimeter of a square is ..... , its area is 1 square meter .
15. 100 = ...x 1

16. the side length of a square whose perimeter is 24 m is .....m
17. 500 x 20 = ...thousands
18. (length + width) x 2 is the .....of a rectangle
19. ..... Is the only even prime number
20. one of the data points on the line plot has 5 x . If the key is x = 2 children , then the point has ..... children
21. prime numbers has ..... Factors , 1 and .....
22. 36 has ..... factor pairs .
23. the prime number has ..... factor pair
24. the multiple of all numbers is .....
25. ..... , ... , ... and ..... Are multiples of 6 .
26. the smallest prime number is .....
27. the additive identity is .....
28. 18 x 10 = 10 x ..... , is using .....property
29. 30000 = 60 x .....
30. 100 times greater than the number 180 is .....
31. 6 + 6 + 6 + 6 + 6 + 6 + 6 = ... x 6
32. the side length of a square of area 100 square cm . Is ..... Cm
33. the side length of a square whose area is 25 square meter is ..... cm
34. .....is the measurement of the space inside the shape .
35. side length x itself is the .....of a square.
36. the area of a rectangle whose length is 6 cm and width is 5 cm is .....
37. The elapsed time from 11 : 40 AM to 3 : 40 PM is .....
38. A line plot has a scale 5 . The second number on the scale is 20 m then the first number is .....
39. ..... is a factor of all even numbers
40. any number is a factor and multiple of .....
41. 1 has ..... Factors
42. 50 x .....= .....x 1
43. 14 x ..... = 1400
44. m = 6 x 100 , then the value of m is .....

QUESTION 04 compare using (< , = or >)

1	500 hour	☐	500 min
2	number of factors of a composite number	☐	number of factors of a prime number
3	1 week	☐	6 days
4	1600 x 10	☐	16 thousands
5	2 and half hours	☐	2 H + 30 min
6	10 hundreds	☐	20 tens
7	10 x 500	☐	1000 x 5
8	1 x 1	☐	0 x 500
9	10 x 400	☐	1000 + 200
10	number of days of the week	☐	10
11	0 x 5 x 400	☐	5 x 4 x 3
12	1000 ml	☐	100 Liters
13	6 thousands	☐	6000
14	7 m	☐	750 cm
15	6 x 4 x 1000	☐	6000 x 4
16	3000 m	☐	3 km
17	number of factors of 4	☐	number of factors of 9
18	23 x 140	☐	140 x 23
19	240	☐	6 x 400
20	7000 gram	☐	18 kg
21	the multiple of all numbers	☐	the factor of all numbers

QUESTION 05 Match

1

	(A)		(B)
1	number of factors of 13 is	a	3
2	630 x 1 = 630 is ..... Property	b	commutative
3	the smallest odd prime number is	c	identity
4	36 x 45 = 45 x 36 is using ..... Property	d	2

2

	(A)		(B)
1	40 x 5 = ...	a	20
2	the perimeter of a square of side length 5 cm is	b	2
3	the smallest prime number is	c	zero
4	745 x 0 = 0 is using ..... property	d	200

3

	(A)		(B)
1	the common factor of all number is	a	3
2	the common multiple of all numbers is	b	2
3	prime numbers has ..... Factors	c	1
4	.....is a factor of 9	d	0

QUESTION 06 Answer the following

1. Aliaa studied MATH from 4 : 20 pm to 5 : 10 pm . How long did she study ?

.....

2. Esraa bought 5 mobiles , if the price of each one is 2000 LE . What is the total price of them ?

.....

3. Ola started work at 9 : 15 am and finished her work at 2 : 30 pm . How much did Ola spend at work ?

.....

4. Sandy has 7 mangoes and Batol has 28 . How many times of mangoes does Batol have ? Write the equation .

.....

5. Adam is building a rectangular garden with 24 m of fencing . What is the area of the garden if its length is 7 m ?

.....

6. Mazen is building a square frame . The side length will be 12 cm . Find the perimeter and the area of the frame .

.....

7. Sofian is twice as old as Eyad . Eyad is 9 years old . How old are Sofian ? Write the equation .

.....

8. Esraa bought 3 liters of juce . Mahmoud drank 1600 milliliters on Monday and 400 milliliters on Tuesday . How many milliliters are left ?

.....

9. Jana bought 5 packs of juice cans . Each pack had 2 rows each row had 6 cans . How many cans did Jana bought ?

.....

10. A tailor used 3 m 32 cm of cloth to make a dress and 2 m , 68 cm to make trousers . What is the total length of cloth did he use ?

.....

11. Amira ate 2 apples and Ahmed ate 5 times as many . How many apples did Ahmed eat ?

.....

12. A rectangle picture of dimentions 8 cm and 6 cm . Mahmoud Mazen wants to cut a piece of glass to cover this picture , what is the area and perimeter of the glass piece ?

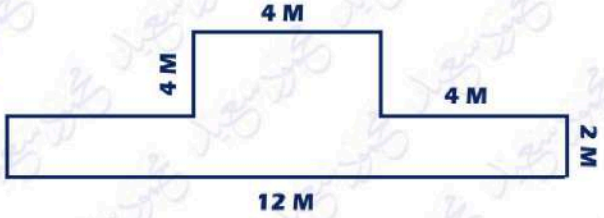
.....

13. A train leaves for Mansoura at 5 : 30 pm . It takes 1 hour , 12 min to reach Meet Hadeed . At what time will it reach at Meet Hadeed ?

.....

14. Find the area and perimeter .

.....



انتهت الأسئلة مع أطيب الأمنيات بالنجاح والتوفيق

Answers

EL MOTAMYEZ - MATH Questions Bank

NOVEMBER REVISION

QUESTION 01 Choose the correct answer

1. Area of a square is .....
   (a) 4 x s (b) s x s (c) L x W (d) (L + W) x 2
2. 10 is divisible by .....
   (a) 10 (b) 2 (c) 5 (d) all of them
3. the perimeter of a rectangle is ..... whose length is d and width is h
   (a) L x W (b) 2 x (d + h) (c) 2 x (5 x 3) (d) d x h
4. ..... Is a factor of all composite numbers
   (a) 2 (b) 3 (c) 1 (d) 0
5. the side length of a square is .....
   (a) A ÷ s (b) A ÷ 4 (c) P ÷ 4 (d) 4 x s
6. ..... Is not a prime number
   (a) 2 (b) 11 (c) 23 (d) 32
7. area of square = side length x .....
   (a) 4 (b) itself (c) width (d) length
8. 5 is ..... number
   (a) prime (b) composite (c) even (d)
9. 16 has ..... Factors
   (a) 6 (b) 5 (c) 1 (d) 16
10. 850 x m = 850 , then m = ...
    (a) 1 (b) 850 (c) 2 (d) 0
11. 1 and .....are the factors of 13
    (a) 13 (b) 0 (c) 2 (d) 3
12. 60 x .....= 6000
    (a) 10 (b) 1 (c) 100 (d) 600
13. 3 is a factor of .....
    (a) 9 (b) 19 (c) 13 (d) 28
14. (200 x 30) x 0 = ...
    (a) associative (b) 6000 (c) 1 (d) 0
15. ..... X 500 = 0 , is using ..... Property
    (a) 0 , zero (b) 0 , identity (c) 500 , zero (d) 1 , identity

16 the multiplicative identity is .....
(a) 0 (b) 1 (c) 10 (d) 11

17 e x 6 = 24 , then e = ...
(a) 6 (b) 4 (c) 16 (d) 24

18 the factor of all numbers is .....
(a) 0 (b) 1 (c) 2 (d) 3

19 16 is 4 times the number .....
(a) 16 (b) 4 (c) 3 (d) 2

20 .....is a prime number
(a) 8 (b) 9 (c) 15 (d) 7

21 .....is the measurement of the distance around the shape .
(a) perimeter (b) area (c) square (d) s x s

22 all factors of 18 are .....
(a) 1,2,3,6,9,18 (b) 1 , 18 (c) 1,2,3,4,6,9,18 (d) 6

23 A line plot has a scale 4 . The fifth number on the scale is 28 then the third number is .....
(a) 28 (b) 24 (c) 20 (d) 16

24 Area of a rectangle is .....
(a) 4 x s (b) s x s (c) L x W (d) (L + W) x 2

25 ..... Is a factor of all odd numbers
(a) 2 (b) 3 (c) 1 (d) 0

26 .....is a factor of 60
(a) 10 (b) 6 (c) 2 (d) all of them

27 the greatest common factor of 12 and 6 is .....
(a) 2 (b) 3 (c) 6 (d) 12

28 1 x ..... = 654 , is using .....property .
(a) 654 , identity (b) 0 , identity (c) 1 , commutative (d) 1

29 ..... Is a multiple of 3
(a) 14 (b) 15 (c) 13 (d) 23

30 The properties of multiplication properties are .....
(a) commutative (b) associative (c) identity (d) all of them

31 in a rectangle the half of perimeter is equal .....
(a) half area (b) (L + W) x 2 (c) L + W (d) 1

32 Perimeter of a rectangle is .....
(a) L x W (b) 2L x 2W (c) L + W + L + W (d) (L + W)

33 The scale of the graduated cylinder may be 5 or .....
(a) 10 (b) 20 (c) 100 (d) 4

34 1 and 5 are the common factors of .....
(a) 1 and 5 (b) 5 and 15 (c) 3 and 1 (d) 2 and 15

35 ..... is the common factor of 7 and 11
(a) 1 (b) 7 (c) 11 (d) 77

36 ..... Is not a composite number
(a) 2 (b) 1 (c) 42 (d) 36

37 all prime numbers are odd except .....
(a) 0 (b) 1 (c) 3 (d) 2

38 24 has ..... Factors
(a) 8 (b) 6 (c) 3 (d) 24

39 the number 19 has ..... Factors
(a) 3 (b) 1 (c) 2 (d) 0

40 60 x (40 x 30) = (..... x 30) x 40
(a) 60 (b) 40 (c) 1200 (d) 180

41 63 x 45 = 45 x .....
(a) 63 (b) 45 (c) 25 (d) 36

42 8 = 8 x .....
(a) 1 (b) 0 (c) 8 (d) 64

43 the length of a rectangle is .....
(a) A ÷ w (b) A x w (c) s x s (d) w ÷ A

44 Perimeter of a square is .....
(a) (s + s) x 2 (b) s + s + s (c) 4 + s (d) (L + W) x 2

45 Abeer rides her bike 5 km daily , then she covered ..... in 6 days
(a) 300 km (b) 30000 m (c) 30 m (d) 5000 m

46 4000 x 4 hundreds = ...
(a) 16000 (b) 400000 (c) 1600 tousands (d) 400 thousands

47 23 x b = 23 x 6 , then b = ...
(a) 23 (b) 0 (c) 6 (d) 1

48 the multiplication equation of 3 + 3 + 3 + 3 + 3 = 15 is .....
(a) 3 x 5 (b) 15 x 6 = 3 (c) 3 x 5 = 15 (d) 3 x 3

49 the width of a rectangle is .....cm. whose area is 32 square cm and length is 8 cm .
(a) 4 (b) 8 (c) 8 x 32 (d) 5

QUESTION 02 put (✓) or (X)

1. the area of a rectangle whose length is 4 cm and width is 2 cm is 12 cm . ✗
2. all prime numbers has 2 common factors . ✗
3. Area is the measurement of the distance around the shape . ✗
4. 1, 2, 3, 6, 18 are all factors of 18 . ✗
5. width of a rectangle > length of the same rectangle . ✗
6. 13 is not composite number . ✓
7. 5 times of 7 = 35 . ✓
8. 9 has 4 factors . ✗
9. 6 x 3 x 100 = 18 x 300. ✗
10. 0 is the multiplicative identity element . ✗
11. 450 is 10 times more than 45. ✓
12. (50 x 10) x 2 is called assoiative property . ✓
13. 200 hundreds = 2000. ✗
14. 7 x 4 = 7 + 7 + 7 + 7 . ✓
15. prime numbers has 2 or more factors. ✗
16. perimter of the rectangle = 4 x Length . ✗
17. 17 has 2 factors only ✓
18. the area of a square whose side length is 6 cm is 6 x 6 cm . ✓
19. 56 is a factor of itself . ✓
20. perimeter of a square is 4 multiply its side length . ✓
21. 1 is a factor of all even numbers only . ✗
22. 1 day = 24 min . ✗
23. 1 is a factor of all even numbers . ✓
24. 3 is a factor of 23. ✗
25. 11 is not prime number . ✗
26. 15 is a prime number. ✗
27. 3 x 4000 = 3 x 4 x m , then m = 1000. ✓
28. 64 is 8 times greater than 4. ✗

29. the property 3 x 6 = 6 x 3 is commutative property. ✓
30. Length of the rectangle = Area ÷ Width . ✓
31. the perimeter of a rectangle whose length is 6 cm and width is 5 cm is 30 cm . ✗
32. 3 hours = 72 days. ✗
33. 25 has 3 factor pairs. ✗
34. all prime numbers are odd. ✗
35. the smallest prime number is 3. ✗
36. 0 is the common factor of all numbers . ✗
37. the additive identity is 1 . ✗
38. 30 = 6 x e , then e = 5 . ✓
39. 45 is 9 times greater than 5. ✓

QUESTION 03 complete

1. the perimeter of a rectangle whose length is 5 cm and width is 3 cm is .....16.....
2. .....a multiple ..... Is the product of two numbers
3. the area of a rectangle with dimensions 5 cm and 7 cm is .....35 cm .....
4. 1, 2, 4, 7, 14 are all factors of .....14.....
5. the length of a rectangle is .....4.....m. whose perimeter is 12 m and width is 2 m .
6. .....1.....is not prime number nor composite number
7. The area of a square with side length 6 cm equals the area of a rectangle with 9 cm long and .....4.....cm wide .
8. the smallest odd prime number is .....3.....
9. the multiplication equation of 5 + 5 + 5 + 5 + 5 = 25 is .....5 x 5 = 25.....
10. 4000 = ...40..... hundreds
11. .....3000.....x 6 = 18000
12. .....30..... is three times ten
13. 63 x .....0.... = 0
14. The perimeter of a square is .....4..... , its area is 1 square meter .
15. 100 = ...100....x 1
16. the side length of a square whose perimeter is 24 m is .....6.....m

17. 500 x 20 = ...1.....thousands
18. (length + width) x 2 is the .....perimeter.....of a rectangle
19. .....2..... Is the only even prime number
20. one of the data points on the line plot has 5 x . If the key is x = 2 children , then the point has ...10... children
21. prime numbers has ...2..... Factors , 1 and .....itself.....
22. 36 has .....5..... factor pairs .
23. the prime number has .....1..... factor pair
24. the multiple of all numbers is .....0.....
25. .....0.... , ...6..... , ...12..... and .....18..... Are multiples of 6 .
26. the smallest prime number is .....2.....
27. the additive identity is .....0.....
28. 18 x 10 = 10 x ...18..... , is using .....commutative.....property
29. 30000 = 60 x .....500.....
30. 100 times greater than the number 180 is .....18000.....
31. 6 + 6 + 6 + 6 + 6 + 6 + 6 = ...7..... x 6
32. the side length of a square of area 100 square cm . Is .....10..... Cm
33. the side length of a square whose area is 25 square meter is .....5..... cm
34. .....area.....is the measurement of the space inside the shape .
35. side length x itself is the .....area.....of a square
36. the area of a rectangle whose length is 6 cm and width is 5 cm is .....30.....
37. The elapsed time from 11 : 40 AM to 3 : 40 PM is .....4 hours.....
38. A line plot has a scale 5 . The second number on the scale is 20 m then the first number is ...15....
39. .....2..... is a factor of all even numbers
40. any number is a factor and multiple of .....itself .....
41. 1 has .....1..... Factors
42. 50 x ...1.....= .....50...x 1
43. 14 x .....100..... = 1400
44. m = 6 x 100 , then the value of m is .....600.....

QUESTION 04 compare using (< , = or >)

1	500 hour	>	500 min
2	number of factors of a composite number	>	number of factors of a prime number
3	1 week	>	6 days
4	1600 x 10	=	16 thousands
5	2 and half hours	=	2 H + 30 min
6	10 hundreds	>	20 tens
7	10 x 500	=	1000 x 5
8	1 x 1	>	0 x 500
9	10 x 400	>	1000 + 200
10	number of days of the week	<	10
11	0 x 5 x 400	<	5 x 4 x 3
12	1000 ml	<	100 Liters
13	6 thousands	=	6000
14	7 m	<	750 cm
15	6 x 4 x 1000	=	6000 x 4
16	3000 m	=	3 km
17	number of factors of 4	=	number of factors of 9
18	23 x 140	=	140 x 23
19	240	<	6 x 400
20	7000 gram	<	18 kg
21	the multiple of all numbers	<	the factor of all numbers

QUESTION 05 Match

1

	(A)		(B)	
1	number of factors of 13 is	a	3	1-d
2	630 x 1 = 630 is ..... Property	b	commutative	2-c
3	the smallest odd prime number is	c	identity	3-a
4	36 x 45 = 45 x 36 is using ..... Property	d	2	4-b

2

	(A)		(B)	
1	40 x 5 = ...	a	20	1-d
2	the perimeter of a square of side length 5 cm is	b	2	2-a
3	the smallest prime number is	c	zero	3-b
4	745 x 0 = 0 is using ..... property	d	200	4-c

3

	(A)		(B)	
1	the common factor of all number is	a	3	1-c
2	the common multiple of all numbers is	b	2	2-d
3	prime numbers has ..... Factors	c	1	3-b
4	.....is a factor of 9	d	0	4-a

QUESTION 06 Answer the following

1. Aliaa studied MATH from 4 : 20 pm to 5 : 10 pm . How long did she study ?
   5 : 10 - 4 : 20 = 50 min
2. Esraa bought 5 mobiles , if the price of each one is 2000 LE . What is the total price of them ?
   5 x 2000 = 10000 LE
3. Ola started work at 9 : 15 am and finished her work at 2 : 30 pm . How much did Ola spend at work ?
   2 : 30 pm - 9 : 15 am = 5 hours , 15 min

4. Sandy has 7 mangoes and Batol has 28 . How many times of mangoes does Batol have ? Write the equation .
7 x s = 28 - s = 4 times

5. Adam is building a rectangular garden with 24 m of fencing . What is the area of the garden if its length is 7 m ?
w = (24 ÷ 2) - 7 = 5 m - A = L x W = 7 x 5 = 35 m2

6. Mazen is building a square frame . The side length will be 12 cm . Find the perimeter and the area of the frame .
P = 4 x s = 4 x 12 = 48 cm - A = s x s = 12 x 12 = 144 square centimeter

7. Sofian is twice as old as Eyad . Eyad is 9 years old . How old are Sofian ? Write the equation .
2 x 9 = s - s = 18 years old

8. Esraa bought 3 liters of juce . Mahmoud drank 1600 milliliters on Monday and 400 milliliters on Tuesday . How many milliliters are left ?
1600 + 400 = 2000 ml - 3000 - 2000 = 1000 ml

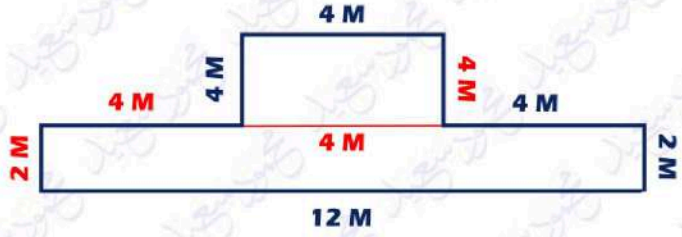
9. Jana bought 5 packs of juice cans . Each pack had 2 rows each row had 6 cans . How many cans did Jana bought ?
5 x 2 x 6 = (5 x 2) x 6 = 10 x 6 = 60 cans

10. A tailor used 3 m 32 cm of cloth to make a dress and 2 m , 68 cm to make trousers . What is the total length of cloth did he use ?
3 m , 32 cm + 2 m , 68 cm = 6 m .

11. Amira ate 2 apples and Ahmed ate 5 times as many . How many apples did Ahmed eat ?
2 x 5 = 10 apples .

12. A rectangle picture of dimentions 8 cm and 6 cm . Mahmoud Mazen wants to cut a piece of glass to cover this picture , what is the area and perimeter of the glass piece ?
A = L x W = 8 x 6 = 48 square centimeter .
P = 2 x (L + W) = 2 x (8 + 6) = 2 x 14 = 28 cm .

13. A train leaves for Mansoura at 5 : 30 pm . It takes 1 hour , 12 min to reach Meet Hadeed . At what time will it reach at Meet Hadeed ?
5 : 30 + 1 : 12 = 6 : 42 pm .

14. Find the area and perimeter .


P = 2+2+4+4+4+4+4+12 = 36 M
$A_1 = L \times W = 2 \times 12 = 24\ M^2$
$A_2 = S \times S = 4 \times 4 = 16\ M^2$
$A_{(total)} = 24 + 16 = 40\ M^2$

انتهت الأسئلة مع أطيب الأمنيات بالنجاح والتوفيق